



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 104828

TO: Misook Yu
Location: cm1/8e18/8e12
Art Unit: 1642
Tuesday, September 30, 2003

Case Serial Number: 09/402713

From: Barb O'Bryen
Location: Biotech-Chem Library
CM1-6A05
Phone: 308-4291 *BOB*

barbara.obryen@uspto.gov

Search Notes

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: September 29, 2003, 14:40:39 : Search time 40.5 Seconds

(without alignments)
555.816 Million cell updates/sec

Title: US-09-402-713A-7

Perfect score: 51
Sequence: 1 MFLHSSPFKYPHQEAQKE.....HLGSSMLALCVPLVREGH 51

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Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 569978 seqs, 220691566 residues

Word size: 1

Total number of hits satisfying chosen parameters: 1135271

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

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Database :

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6: /cgnt2_6/ptodata/1/lna/PCrus.COMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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4	51	100.0	2229	4	US-09-439-313-469
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6	51	100.0	2426	4	US-09-439-313-470
7	51	100.0	3112	4	US-09-352-616A-470
8	51	100.0	3112	4	US-09-439-313-468
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11	43	84.3	718	4	US-09-352-616A-313
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16	7	13.7	547	4	US-09-736-457-65	Sequence 65, Appl1
17	7	13.7	588	3	US-09-129-030-27	Sequence 27, Appl1
18	7	13.7	745	4	US-09-581-001B-20	Sequence 20, Appl1
19	7	13.7	1335	4	US-09-107-532A-298	Sequence 298, App
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28	7	13.7	2268	4	US-09-620-312D-909	Sequence 909, App
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63	6	11.8	47	4	US-09-511-964-4	Sequence 4, Appl1
64	6	11.8	47	4	US-09-437-687A-4	Sequence 4, Appl1
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66	6	11.8	48	4	US-09-999-201B-8	Sequence 8, Appl1
67	6	11.8	48	2	US-08-746-283-26	Sequence 26, Appl1
68	6	11.8	50	1	US-08-171-389-545	Sequence 545, App
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71	6	11.8	50	3	US-08-482-080A-545	Sequence 545, App
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73	6	11.8	52	5	PCT-US93-12388-545	Sequence 545, App
74	6	11.8	52	3	US-09-130-663-15	Sequence 15, Appl1
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77	6	11.8	65	3	US-09-413-522-19	Sequence 19, Appl1
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79	6	11.8	70	1	US-08-433-585-181	Sequence 181, App
80	6	11.8	70	2	US-08-434-475-181	Sequence 181, App
81	6	11.8	70	2	US-08-437-667-181	Sequence 181, App
82	6	11.8	70	3	US-08-906-955-181	Sequence 181, App
83	6	11.8	70	4	US-08-945-909-181	Sequence 181, App
84	6	11.8	70	4	US-09-396-020A-181	Sequence 181, App
85	6	11.8	86	5	PCT-US96-06060-181	Sequence 181, App
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C 86 6 11.8 104 3 US-08-943-731-93 Sequence 93, Appl
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88 6 11.8 147 3 US-09-130-663-16 Sequence 16, Appl
89 6 11.8 147 3 US-09-130-663-16 Sequence 24, Appl
90 6 11.8 147 3 US-09-432-335-16 Sequence 16, Appl
91 6 11.8 147 3 US-09-432-335-24 Sequence 24, Appl
92 6 11.8 147 4 US-09-614-022-16 Sequence 16, Appl
93 6 11.8 147 4 US-09-614-022-24 Sequence 7, Appl
94 6 11.8 155 1 US-08-650-275-7 Sequence 7, Appl
95 6 11.8 155 3 US-09-181-318-7 Sequence 13, Appl
96 6 11.8 158 3 US-08-943-731-13 Sequence 13, Appl
C 97 6 11.8 189 4 US-09-702-705-1608 Sequence 1608, Ap
C 98 6 11.8 189 4 US-09-736-457-1608 Sequence 1608, Ap
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ALIGNMENTS

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RESULT 1
US-09-439-313-471/C
; Sequence 471, Application US/09439313
; Patent No. 6329505
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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-471
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Alignment Scores:
Pred. No.: 1.59e-44 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
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US-09-402-713a-7 (1-51) x US-09-439-313-471 (1-812)
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QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
DB 604 ATGTTTTCACATTTCCAGCCCCCTTAATATCCACACACAGGAGGACACAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 544 GCACAGAGATCCCTGGGAGAAATGCCGCCGCGCATCTTGATGATGATGAGCTCGCC 485
QY 41 LeuGlyLeuValProLeuValArgGluGlnHis 51
DB 484 CTGTGCTGTGCTCCGCTGTGAGGAGGAGACAT 452
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RESULT 2
US-09-352-616A-471/C
; Sequence 471, Application US/09352616A
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; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yugu
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-471
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Alignment Scores:
Pred. No.: 1.59e-44 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
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US-09-402-713a-7 (1-51) x US-09-352-616A-471 (1-812)
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QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
DB 604 ATGTTTTCACATTTCCAGCCCCCTTAATATCCACACACAGGAGGACACAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 544 GCACAGAGATCCCTGGGAGAAATGCCGCCGCGCATCTTGATGATGATGAGCTCGCC 485
QY 41 LeuGlyLeuValProLeuValArgGluGlnHis 51
DB 484 CTGTGCTGTGCTCCGCTGTGAGGAGGAGACAT 452
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US-09-439-313-469/C
; Sequence 469, Application US/09439313
; Patent No. 6329505
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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-469
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Alignment Scores:
Pred. No.: 4.16e-44 Length: 2229
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Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-439-313-469 (1-2229)

OY 1 MethpheleuHISLeSerSerpPhelystyPrOHstHngIngluaIaGlnlySglu 20

DB 1659 ATGTTTGGCACATTTCAGCCCTTTAAATATCCACACACAGAGCAACAAAGGAA 1600

OY 21 AlaGlnarSerLeuGlyGluMetProGlyArGHisLeuGlySerMetSerLeuA 40

DB 1599 GCACAGAGATCCCTGGGAGAAATGCGCGCCCATCTTGGGTATCATGAGCCTCGCC 1540

OY 41 LeuCysLeuValProLeuValArgGluGlyHis 51

DB 1539 CTGTGCTGTCGCGCTGTGAGGGAAGACAT 1507

RESULT 4

US-09-352-616A-469/c

; Sequence 469, Application US/09352616A

; Patent No. 6395278

; GENERAL INFORMATION:

; APPLICANT: Dillon, Davin C.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang, Yuqul

; APPLICANT: Xu, JIangchun

; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/352,616A

; SOFTWARE: FASTSEQ for Windows Version 3.0

; NUMBER OF SEQ ID NOS: 472

; SOFTWARE: FASTSEQ for Windows Version 3.0

; SEQ ID NO 469

; LENGTH: 2229

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-352-616A-469

Alignment Scores:

Pred. No.: 4.16e-44 Length: 2229

Score: 51.00 Matches: 51

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-352-616A-469 (1-2229)

OY 1 MethpheleuHISLeSerSerpPhelystyPrOHstHngIngluaIaGlnlySglu 20

DB 1659 ATGTTTGGCACATTTCAGCCCTTTAAATATCCACACACAGAGCAACAAAGGAA 1600

OY 21 AlaGlnarSerLeuGlyGluMetProGlyArGHisLeuGlySerMetSerLeuA 40

DB 1599 GCACAGAGATCCCTGGGAGAAATGCGCGCCCATCTTGGGTATCATGAGCCTCGCC 1540

OY 41 LeuCysLeuValProLeuValArgGluGlyHis 51

DB 1539 CTGTGCTGTCGCGCTGTGAGGGAAGACAT 1507

RESULT 5

US-09-439-313-470/c

; Sequence 470, Application US/09439313

; Patent No. 6329505

; GENERAL INFORMATION:

; APPLICANT: Xu, JIangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang Yuqul

; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael

; APPLICANT: Fanger, Gary

; APPLICANT: Retter, Mark

; APPLICANT: Solk, John

; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/439,313

; SOFTWARE: FASTSEQ for Windows Version 3.0

; NUMBER OF SEQ ID NOS: 575

; SOFTWARE: FASTSEQ for Windows Version 3.0

; NUMBER OF SEQ ID NOS: 470

; LENGTH: 2426

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-439-313-470

Alignment Scores:

Pred. No.: 4.5e-44 Length: 2426

Score: 51.00 Matches: 51

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-439-313-470 (1-2426)

OY 1 MethpheleuHISLeSerSerpPhelystyPrOHstHngIngluaIaGlnlySglu 20

DB 1653 ATGTTTGGCACATTTCAGCCCTTTAAATATCCACACACAGAGCAACAAAGGAA 1594

OY 21 AlaGlnarSerLeuGlyGluMetProGlyArGHisLeuGlySerMetSerLeuA 40

DB 1593 GCACAGAGATCCCTGGGAGAAATGCGCGCCCATCTTGGGTATCATGAGCCTCGCC 1534

OY 41 LeuCysLeuValProLeuValArgGluGlyHis 51

DB 1533 CTGTGCTGTCGCGCTGTGAGGGAAGACAT 1501

RESULT 6

US-09-352-616A-470/c

; Sequence 470, Application US/09352616A

; Patent No. 6395278

; GENERAL INFORMATION:

; APPLICANT: Dillon, Davin C.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang, Yuqul

; APPLICANT: Xu, JIangchun

; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/352,616A

; SOFTWARE: FASTSEQ for Windows Version 3.0

; NUMBER OF SEQ ID NOS: 472

; SOFTWARE: FASTSEQ for Windows Version 3.0

; SEQ ID NO 470

; LENGTH: 2426

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-352-616A-470

Alignment Scores:

Pred. No.: 4.5e-44 Length: 2426

Score: 51.00 Matches: 51

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 4 Gaps: 0

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Db 1653 ATGTTTTCACATTTCCAGCCCTTAATATCCACACACAGGAAGCAAAAGGAA 1594
QY 21 AlAGlnArgSerLeuGlyGluMetProGlyArgHstLeuGlySerSerMetSerLeuAla 40
   |||||||
Db 1593 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGTCATCATGATGAGCCTCGCC 1534
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
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Db 1533 CTGTGCTGTGCTCCGCTTGAGGAGGAGACAT 1501

RESULT 7
US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-468

Alignment Scores:
Pred. No.: 5,71e-44 Length: 3112
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-439-313-468 (1-3112)
QY 1 MetPheLeuHstIleSerSerProPheLysTyrProHstHrGlnGluAlaGlnLysGlu 20
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Db 1429 ATGTTTTCACATTTCCAGCCCTTAATATCCACACACAGGAAGCAAAAGGAA 1488
QY 21 AlAGlnArgSerLeuGlyGluMetProGlyArgHstLeuGlySerSerMetSerLeuAla 40
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Db 1489 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGTCATCATGATGAGCCTCGCC 1548
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
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Db 1549 CTGTGCTGTGCTCCGCTTGAGGAGGAGACAT 1581

RESULT 8
US-09-352-616A-468
; Sequence 468, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
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APPLICANT: Jiang, Yuqi
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 468
LENGTH: 3112
TYPE: DNA
ORGANISM: Homo sapiens
US-09-352-616A-468

Alignment Scores:
Pred. No.: 5,71e-44 Length: 3112
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-352-616A-468 (1-3112)
QY 1 MetPheLeuHstIleSerSerProPheLysTyrProHstHrGlnGluAlaGlnLysGlu 20
   |||||||
Db 1429 ATGTTTTCACATTTCCAGCCCTTAATATCCACACACAGGAAGCAAAAGGAA 1488
QY 21 AlAGlnArgSerLeuGlyGluMetProGlyArgHstLeuGlySerSerMetSerLeuAla 40
   |||||||
Db 1489 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGTCATCATGATGAGCCTCGCC 1548
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
   |||||||
Db 1549 CTGTGCTGTGCTCCGCTTGAGGAGGAGACAT 1581

RESULT 9
US-09-439-313-313
; Sequence 313, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)...(718)
OTHER INFORMATION: n = A,T,C or G
US-09-439-313-313

Alignment Scores:
Pred. No.: 3.06e-36 Length: 718
```

Score: 43.00 Matches: 43
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 84.31% Indels: 0
 DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-439-313-313 (1-718)

QY 1 MetPheLeuHISLeSerSerProPhelystyrProHISthngIngluAlaGlnLysGlu 20

DB 189 ATGTTTGGACATTTCAGCCCTTTTAATATCCACACACAGAGAAACAAAGGAA 248

QY 21 AlaGlnArgSerLeuGlyLmeProGlyArgHISLeuGlySerSerMetSerLeuAla 40

DB 249 GCACAGAGATCCCTGGGAGAAATGCCGCCGCCCATCTGGGTATCATGATAGCTCGCC 308

QY 41 LeuCysLeu 43

DB 309 CTGTGCTCG 317

RESULT 10

US-09-352-616A-313

; Sequence 313, Application US/09352616A

; Patent No. 6395278

; GENERAL INFORMATION:

; APPLICANT: Dillon, Davin C.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: JIANG, YUQI

; APPLICANT: Xu, Jiangchun

; APPLICANT: Mitcham, Jennifer Lynn

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; FILE REFERENCE: 210121.427C8

; CURRENT APPLICATION NUMBER: US/09/352.616A

; NUMBER OF SEQ ID NOS: 472

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 313

; LENGTH: 718

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc.feature

; LOCATION: (1)-(718)

; OTHER INFORMATION: n = A,T,C or G

US-09-352-616A-313

US-09-402-713A-7 (1-51) x US-09-352-616A-313 (1-718)

Alignment Scores:

Pred. No.: 3,06e-36 Length: 718
 Score: 43.00 Matches: 43
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 84.31% Indels: 0
 DB: 4 Gaps: 0

; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer Lynn
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
 ; FILE REFERENCE: 210121.427C6
 ; CURRENT APPLICATION NUMBER: US/09/232.149A
 ; CURRENT FILING DATE: 1999-01-15
 ; NUMBER OF SEQ ID NOS: 338
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 313
 ; LENGTH: 718
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 ; FEATURE:
 ; NAME/KEY: misc.feature
 ; LOCATION: (1)...(718)
 ; OTHER INFORMATION: n = A,T,C or G
 ; US-09-232-149A-313

RESULT 12

US-08-125-468-1/C

; Sequence 1, Application US/08125468

; Patent No. 5589385

; GENERAL INFORMATION:

; APPLICANT: Ryan, Michael J.

; APPLICANT: Lotvin, Jason A.

; APPLICANT: Scratny, Nancy E.

; APPLICANT: Fantini, Susan E.

; TITLE OF INVENTION: Cloning of the biosynthetic pathway for

; TITLE OF INVENTION: chlorotetracycline and tetracycline Formation and cosmids

; NUMBER OF SEQUENCES: 1

; CORRESPONDENCE ADDRESS:

; ADDRESS: American Cyanamid Company

; STREET: One Cyanamid Plaza

; CITY: Wayne

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07470

; COMPUTER READABLE FORM:

; MEDIUM TYPE: floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/125,468

; FILING DATE: 22-SEP-1993

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

```
; NAME: Tsevdos, Estelle J
; REGISTRATION NUMBER: 31,145
; REFERENCE/DOCKET NUMBER: 31,255-02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (201)831-3241
; TELEFAX: (201)831-3305
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30001 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-125-468-1

Alignment Scores:
Pred. No.: 316 Length: 30001
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 15.69% Indels: 0
DB: 1 Gaps: 0

US-09-402-713a-7 (1-51) x US-08-125-468-1 (1-30001)
QY 39 LeuAlaLeuCYsLeuValProLeu 46
Db 19783 CTGGCGCTCTGCGTGGCGCGCTG 19760

RESULT 13
US-08-474-933-1/c
; Sequence 1, Application US/08474933
; Patent No. 5866410
; GENERAL INFORMATION:
; APPLICANT: Ryan, Michael J.
; APPLICANT: Lotvin, Jason A.
; APPLICANT: Stralby, Nancy
; APPLICANT: Fantini, Susan E.
; TITLE OF INVENTION: Cloning of the biosynthetic pathway for
; TITLE OF INVENTION: chlorotetracycline and tetracycline formation and cosmid
; TITLE OF INVENTION: useful therein
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: One Cyanamid Plaza
; CITY: Wayne
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07470
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,933
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/125,468
; FILING DATE: 22-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsevdos, Estelle J
; REGISTRATION NUMBER: 31,145
; REFERENCE/DOCKET NUMBER: 31,255-02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (201)831-3241
; TELEFAX: (201)831-3305
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30001 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
```

```
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-474-933-1

Alignment Scores:
Pred. No.: 316 Length: 30001
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 15.69% Indels: 0
DB: 2 Gaps: 0

US-09-402-713a-7 (1-51) x US-08-474-933-1 (1-30001)
QY 39 LeuAlaLeuCYsLeuValProLeu 46
Db 19783 CTGGCGCTCTGCGTGGCGCGCTG 19760

RESULT 14
US-09-495-050A-219/c
; Sequence 219, Application US/09495050A
; Patent No. 6492505
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Guegler, Karl, J.
; APPLICANT: Au-Young, Janice
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATE
; FILE REFERENCE: PA-0013 US
; CURRENT APPLICATION NUMBER: US/09/495,050A
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/118,318
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 219
; LENGTH: 490
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6492505 2553280CT1
; US-09-495-050A-219

Alignment Scores:
Pred. No.: 69.2 Length: 490
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-495-050A-219 (1-490)
QY 3 LeuHisIleSerProPhe 9
Db 346 TTACATATTCTCTCTCTTT 326

RESULT 15
US-09-702-705-65/c
; Sequence 65, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
```

FILE REFERENCE: 210121.478C14
CURRENT APPLICATION NUMBER: US/09/702.705
CURRENT FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 1833
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 65
LENGTH: 547
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(547)
OTHER INFORMATION: n = A,T,C or G
US-09-702-705-65

Alignment Scores:
Pred. No.: 76.9 Length: 547
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB:

US-09-402-713A-7 (1-51) x US-09-702-705-65 (1-547)

OY 5 IlleSerSerProPhelystyr 11
Db 164 ATCTCTCTCTCTTCAATAT 144

RESULT 16
US-09-736-457-65/C
Sequence 65, Application US/09736457
Patent No. 6509448
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedvick, Tom
APPLICANT: Carter, Darrick
APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
APPLICANT: Wang, Aijun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478C15
CURRENT APPLICATION NUMBER: US/09/736.457
CURRENT FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 1864
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 65
LENGTH: 547
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(547)
OTHER INFORMATION: n = A,T,C or G
US-09-736-457-65

Alignment Scores:
Pred. No.: 76.9 Length: 547
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB:

US-09-402-713A-7 (1-51) x US-09-736-457-65 (1-547)

OY 5 IlleSerSerProPhelystyr 11
Db 164 ATCTCTCTCTCTTCAATAT 144

Db 164 ATCTCTCTCTCTTCAATAT 144

RESULT 17
US-09-129-030-27/c
Sequence 27, Application US/09129030A
Patent No. 6242221
GENERAL INFORMATION:
APPLICANT: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
TITLE OF INVENTION: GENOMIC PPO CLONES
FILE REFERENCE: 57072-PCT-US
CURRENT APPLICATION NUMBER: US/09/129.030A
CURRENT FILING DATE: 1998-08-04
EARLIER APPLICATION NUMBER: AU PN7856
EARLIER FILING DATE: 1996-02-05
EARLIER APPLICATION NUMBER: AU P02361
EARLIER FILING DATE: 1996-09-16
EARLIER APPLICATION NUMBER: PCT/AU97/00041
EARLIER FILING DATE: 1997-01-24
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 27
LENGTH: 588
TYPE: DNA
ORGANISM: APPLE
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(588)
US-09-129-030-27

Alignment Scores:
Pred. No.: 82.3 Length: 588
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB:

US-09-402-713A-7 (1-51) x US-09-129-030-27 (1-588)

OY 34 GlySerSerMetSerLeuAla 40
Db 146 GATCGTCTATGAGTTGGCC 126

RESULT 18
US-09-581-001B-20/c
Sequence 20, Application US/09581001B
Patent No. 6472142
GENERAL INFORMATION:
APPLICANT: Danan-Yan Oorschot, Astrid
TITLE OF INVENTION: METHODS AND MEANS FOR INDUCING APOPTOSIS BY INTERFERING WITH
TITLE OF INVENTION: BIP-LIKE PROTEINS
FILE REFERENCE: 2906-4940US
CURRENT APPLICATION NUMBER: US/09/581.001B
CURRENT FILING DATE: 2000-07-24
PRIOR APPLICATION NUMBER: PCT/NL98/00688
PRIOR FILING DATE: 1998-12-03
PRIOR APPLICATION NUMBER: EP 97203783.2
PRIOR FILING DATE: 1997-12-03
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.1
SEQ ID NO 20
LENGTH: 745
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (493)...(493)
OTHER INFORMATION: The "n" at position 493 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (510)...(510)
OTHER INFORMATION: The "n" at position 510 may be any of g, a, t, or c.

OY 34 GlySerSerMetSerLeuAla 40
Db 146 GATCGTCTATGAGTTGGCC 126

FEATURE:
NAME/KEY: misc_feature
LOCATION: (576)..(576)
OTHER INFORMATION: The "n" at position 576 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (590)..(590)
OTHER INFORMATION: The "n" at position 590 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (614)..(614)
OTHER INFORMATION: The "n" at position 614 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (630)..(630)
OTHER INFORMATION: The "n" at position 630 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (636)..(636)
OTHER INFORMATION: The "n" at position 636 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (657)..(658)
OTHER INFORMATION: The "n" at positions 657-658 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (660)..(660)
OTHER INFORMATION: The "n" at position 660 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (674)..(674)
OTHER INFORMATION: The "n" at position 674 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (685)..(685)
OTHER INFORMATION: The "n" at position 685 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (697)..(697)
OTHER INFORMATION: The "n" at position 697 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (699)..(699)
OTHER INFORMATION: The "n" at position 699 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (714)..(714)
OTHER INFORMATION: The "n" at position 714 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (719)..(719)
OTHER INFORMATION: The "n" at position 719 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (724)..(724)
OTHER INFORMATION: The "n" at position 724 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (730)..(730)
OTHER INFORMATION: The "n" at position 730 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (732)..(732)
OTHER INFORMATION: The "n" at position 732 may be any of g, a, t, or c.
US-09-581-001B-20

Alignment Scores:
Pred. No.: 103
Score: 7.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 13.73%
DB: 4

Length: 745
Matches: 7
Conservative: 0
Mismatches: 0
Indels: 0
Gaps: 0

US-09-402-713a-7 (1-51) x US-09-581-001B-20 (1-745)
Qy 5 IlleSerSerProPhelystyr 11
|||||
Db 374 ATCTCTCTCTCTTCAAAATAT 354

RESULT 19
US-09-107-532A-298/c
Sequence 298, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051,571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Arinfiello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 298:
SEQUENCE CHARACTERISTICS:
LENGTH: 1335 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc_feature
LOCATION: (b) LOCATION 1...1335
SEQUENCE DESCRIPTION: SEQ ID NO: 298:
US-09-107-532A-298

Alignment Scores:
Pred. No.: 180
Score: 7.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 13.73%
DB: 4

Length: 1335
Matches: 7
Conservative: 0
Mismatches: 0
Indels: 0
Gaps: 0

US-09-402-713a-7 (1-51) x US-09-107-532A-298 (1-1335)
Qy 2 PhleuNiIleSerSerPro 8
|||||
Db 1315 TTCTCTCAATATCTCCAGCCCA 1295

RESULT 20
US-08-868-288A-2/C
; Sequence 2, Application US/08868288A
; Patent No. 5922567
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/868,288A
; FILING DATE: June 3, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0309 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1376 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: SYNORAB01
; CLONE: 136466
; US-08-868-288A-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB: 2

US-09-402-713A-7 (1-51) x US-08-868-288A-2 (1-1376)

QY 5 IlleSerProphelystYr 11
DB 963 ATCTCTCTCTCTCAATAT 943

RESULT 21
US-09-235-373-2/C
; Sequence 2, Application US/09235373
; Patent No. 6001598
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/235,373
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/868,288
FILING DATE: June 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0309 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1376 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: SYNORAB01
CLONE: 136466
US-09-235-373-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB: 3

US-09-402-713A-7 (1-51) x US-09-235-373-2 (1-1376)

QY 5 IlleSerProphelystYr 11
DB 963 ATCTCTCTCTCTCAATAT 943

RESULT 22
US-09-388-993-2/C
; Sequence 2, Application US/09388993
; Patent No. 6043222
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/388,993
; FILING DATE:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/868,288
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0309 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1376 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: SYNORAB01
CLONE: 136466
US-09-388-993-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 3 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-388-993-2 (1-1376)

QY 5 IleserSerProphelysTyr 11
Db 963 ATCTCCTCCTTCAATAT 943

RESULT 23
US-09-252-991a-1331
Sequence 1331, Application US/09252991a
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991a
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 1331
LENGTH: 1467
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991a-1331

Alignment Scores:
Pred. No.: 197 Length: 1467
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-252-991a-1331 (1-1467)

QY 40 AlaLeucysLeuValProleu 46
Db 667 GCCCTGTGCTGTGCTGCGCTG 687

RESULT 24
US-09-044-404a-1/c

Sequence 1, Application US/09044404a
Patent No. 6200775
GENERAL INFORMATION:
APPLICANT: SATHE, GANESH
APPLICANT: HALSEY, WENDY
APPLICANT: ELLIS, CATHERINE
APPLICANT: AMES, ROBERT
APPLICANT: FOLEY, JAMES
APPLICANT: SARAU, HENRY
TITLE OF INVENTION: A NOVEL HUMAN 7-TRANSMEMBRANE RECEPTOR
TITLE OF INVENTION: CDNA CLONE HMTMF81 THAT ENCODES
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 790 Swedeland Road, P.O. Box 1539
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/044,404a
FILING DATE: MARCH 19, 1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/844,795
FILING DATE: APRIL 22, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T.
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH-70001-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1578 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-044-404a-1

Alignment Scores:
Pred. No.: 211 Length: 1578
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 3 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-044-404a-1 (1-1578)

QY 3 IeuHisIleserSerProph 9
Db 1473 TTACATATTTCTTCTCTTTT 1453

RESULT 25
US-09-586-924-1/c
Sequence 1, Application US/09586924
Patent No. 6506878
GENERAL INFORMATION:
APPLICANT: SATHE, GANESH M.
APPLICANT: HALSEY, WENDY
APPLICANT: ELLIS, CATHERINE E.
APPLICANT: AMES, ROBERT S.
APPLICANT: FOLEY, JAMES J.
APPLICANT: SARAU, HENRY M.


```
/ APPLICANT: CHAMBERS, JON
/ TITLE OF INVENTION: CDNA CLONE HMTMB81 THAT ENCODES A NOVEL
/ FILE REFERENCE: GH-70001-1D1
/ CURRENT APPLICATION NUMBER: US/09/586,924
/ PRIOR FILING DATE: 2000-06-05
/ PRIOR APPLICATION NUMBER: 09/044,404
/ PRIOR FILING DATE: 1998-03-19
/ PRIOR APPLICATION NUMBER: 08/844,795
/ PRIOR FILING DATE: 1997-04-22
/ NUMBER OF SEQ ID NOS: 2
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 1
/ LENGTH: 1578
/ TYPE: DNA
/ ORGANISM: HOMO SAPIENS
US-09-586-924-1

Alignment Scores:
Pred. No.: 211 Length: 1578
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-586-924-1 (1-1578)

QY 3 LeuHis1leSerSerProphe 9
DB 1473 TTACATATTCTCTCTCTTTT 1453

RESULT 26
US-09-996-243-147/c
/ Sequence 147, Application US/09996243
/ Patent No. 6478825
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi J.
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Kijavrin, Ivar J.
/ APPLICANT: Napier, Mary A.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: P2730P1C13
/ CURRENT APPLICATION NUMBER: US/09/996,243
/ PRIOR FILING DATE: 2001-11-14
/ PRIOR APPLICATION NUMBER: 60/049787
/ PRIOR FILING DATE: 1997-06-16
/ PRIOR APPLICATION NUMBER: 60/062250
/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/065186
/ PRIOR FILING DATE: 1997-11-12
/ PRIOR APPLICATION NUMBER: 60/065311
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/ PRIOR FILING DATE: 1997-11-13
/ PRIOR APPLICATION NUMBER: 60/066770
/ PRIOR FILING DATE: 1997-11-24
/ PRIOR APPLICATION NUMBER: 60/075945
/ PRIOR FILING DATE: 1998-02-25
/ PRIOR APPLICATION NUMBER: 60/078910
/ PRIOR FILING DATE: 1998-03-20
/ PRIOR APPLICATION NUMBER: 60/083322
/ PRIOR FILING DATE: 1998-04-28
/ PRIOR APPLICATION NUMBER: 60/084600
/ PRIOR FILING DATE: 1998-05-07
/ PRIOR APPLICATION NUMBER: 60/087106
/ PRIOR FILING DATE: 1998-05-28
/ PRIOR APPLICATION NUMBER: 60/087607
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087609
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087759
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087827
/ PRIOR FILING DATE: 1998-06-03
/ PRIOR APPLICATION NUMBER: 60/088021
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088025
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088026
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088028
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088029
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088030
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088033
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088326
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088167
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088202
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088212
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088217
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088655
/ PRIOR FILING DATE: 1998-06-09
/ PRIOR APPLICATION NUMBER: 60/088734
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088738
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088742
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088810
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088824
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088826
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088858
/ PRIOR FILING DATE: 1998-06-11
/ PRIOR APPLICATION NUMBER: 60/088861
/ PRIOR FILING DATE: 1998-06-11
/ PRIOR APPLICATION NUMBER: 60/088876
/ PRIOR FILING DATE: 1998-06-11
/ PRIOR APPLICATION NUMBER: 60/089105
/ PRIOR FILING DATE: 1998-06-12
/ PRIOR APPLICATION NUMBER: 60/089440
/ PRIOR FILING DATE: 1998-06-16
/ PRIOR APPLICATION NUMBER: 60/089512
/ PRIOR FILING DATE: 1998-06-16
/ PRIOR APPLICATION NUMBER: 60/089514
/ PRIOR FILING DATE: 1998-06-16
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;; PRIOR APPLICATION NUMBER: 60/089532
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089538
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089598
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089599
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089600
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089653
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089801
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089907
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089908
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089947
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089948
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089952
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/090246
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090252
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090254
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090349
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090355
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090429
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090431
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478

;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Alignment Scores:
Pred. No.: 216 Length: 1621
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-996-243-147 (1-1621)

Qy 5 ILeSerSerProPhelysTyr 11
Db 926 ATCTCCTCCTTCAAAATAT 906

RESULT 27
US-09-328-352-639
; Sequence 639, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTE
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 639
; LENGTH: 2163
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-639

Alignment Scores:
Pred. No.: 285 Length: 2163
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-328-352-639 (1-2163)

Qy 29 ProGlyArgHisLeuGlySer 35
Db 177 CCAGGCAGACATCTGGGTTTCG 197

RESULT 28
US-09-620-312D-909
; Sequence 909, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong

APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aildong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yungqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinhuast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662e1 Nucleic Acids and
FILE REFERENCE: Polypeptides
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pc_files Version 1.0
SEQ ID NO 909
LENGTH: 2268
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (445)..(1539)
US-09-620-312D-909

Alignment Scores:
Pred. No.: 298 Length: 2268
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-620-312D-909 (1-2268)

OY 38 SerLeuAlaLeuCysLeuVal 44
DB 201 TCCCTTGCCCTGCTCTTGTTC 221

RESULT 29
US-09-411-977-1/c
Sequence 1, Application US/09411977

Patent No. 6372473
GENERAL INFORMATION:
APPLICANT: Moore, Paul A.
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Tissue Plasminogen Activator-Like Protease
FILE REFERENCE: PF378P1
CURRENT APPLICATION NUMBER: US/09/411,977
CURRENT FILING DATE: 1999-10-04
EARLIER APPLICATION NUMBER: 09/084,491
EARLIER FILING DATE: 1998-05-27
EARLIER APPLICATION NUMBER: 60/048,000
EARLIER FILING DATE: 1997-05-28
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 2329
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: sig_peptide
LOCATION: (124)..(186)
FEATURE:
NAME/KEY: mat_peptide
LOCATION: (187)..(915)

FEATURE:
NAME/KEY: CDS
LOCATION: (124)..(915)
US-09-411-977-1

Alignment Scores:
Pred. No.: 305 Length: 2329
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-411-977-1 (1-2329)

OY 21 AlaGlnArgSerLeuGlyGlu 27
DB 1262 GCACAGAGAGCCTGGGGAG 1242

RESULT 30
US-07-795-859B-5/c
Sequence 5, Application US/07795859B

Patent No. 5422262
GENERAL INFORMATION:
APPLICANT: Anderson, Stefan
TITLE OF INVENTION: Steroid 5 α -reductases
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White and Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: TX
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/795,859B
FILING DATE: 18-NOV-1991
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSD:260/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 320-7200
TELEFAX: (512) 474-7677
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 2437 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 28..789
US-07-795-859B-5

Alignment Scores:
Pred. No.: 319 Length: 2437
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 1 Gaps: 0

US-09-402-713a-7 (1-51) x US-07-795-859B-5 (1-2437)

OY 41 LeuCysLeuValProLeuVal 47
Db 2312 CTGTGCTTAGTACCACCTGGTG 2292

RESULT 31
US-08-457-616-5/C
; Sequence 5, Application US/08457616
; Patent No. 5679521
; GENERAL INFORMATION:
; APPLICANT: Anderson, Stefan
; APPLICANT: Russell, David W.
; TITLE OF INVENTION: Steroid 5'-Reductases
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White and Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,616
; FILING DATE: 01-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/795,859
; FILING DATE: 18-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTSD:260/PAR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 320-7200
; TELEFAX: (512) 474-7677
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2437 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 28..789
; US-08-457-616-5

Alignment Scores:
Pred. No.: 319 Length: 2437
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0

US-09-402-713a-7 (1-51) x US-08-457-616-5 (1-2437)

OY 41 LeuCysLeuValProLeuVal 47
Db 2312 CTGTGCTTAGTACCACCTGGTG 2292

RESULT 32
US-09-235-538-1/C
; Sequence 1, Application US/09235538
; Patent No. 6395479
; GENERAL INFORMATION:
; APPLICANT: Reichardt, Juergen, K.V., Ph.D.
; APPLICANT: Gerhardt, Coetzee, A., Ph.D.
; APPLICANT: Henderson, Brian E., M.D.

; APPLICANT: Makridakis, Nick
; APPLICANT: Ross, Ronald, M.D.
; APPLICANT: University of Southern California
; TITLE OF INVENTION: ANDROGEN-METABOLIC GENE MUTATIONS AND
; FILE REFERENCE: 13/61-7060S1
; CURRENT APPLICATION NUMBER: US/09/235,538
; CURRENT FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: US 60/072,225
; PRIOR FILING DATE: 1998-01-23
; PRIOR APPLICATION NUMBER: PCT/US99/01165
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2437
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-235-538-1

Alignment Scores:
Pred. No.: 319 Length: 2437
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0

US-09-402-713a-7 (1-51) x US-09-235-538-1 (1-2437)

OY 41 LeuCysLeuValProLeuVal 47
Db 2312 CTGTGCTTAGTACCACCTGGTG 2292

RESULT 33
US-09-252-991A-1285
; Sequence 1285, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1285
; LENGTH: 2538
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-1285

Alignment Scores:
Pred. No.: 331 Length: 2538
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0

US-09-402-713a-7 (1-51) x US-09-252-991A-1285 (1-2538)

OY 40 AlaLeuCysLeuValProLeu 46
Db 1982 GCCCTGTGCTGTGCTGCGCTG 2002

RESULT 34
US-09-252-991A-1279/C
; Sequence 1279, Application US/09252991A

```
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1279
; LENGTH: 2571
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1279

Alignment Scores:
Pred. No.: 335 Length: 2571
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-252-991A-1279 (1-2571)

OY 40 AlaLeucylsLeuValProLeu 46
Db 561 GCCCTGTGCTGTCGCCCTG 541

RESULT 35
US-08-147-949A-1/C
; Sequence 1, Application US/08147949A
; Patent No. 5747279
; GENERAL INFORMATION:
; APPLICANT: Pasternak, Gavril W.
; APPLICANT: Pan, Ying-Xian
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING
; TITLE OF INVENTION: KAPPA OPIOID RECEPTORS, RECEPTORS
; TITLE OF INVENTION: ENCODED THEREBY, AND USES THEREOF
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/147,949A
; FILING DATE: 05-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 44782/JPM/JKM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; TELEX: 422523 COOP UI
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2600 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
```

```
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 299..1401
; OTHER INFORMATION:
US-08-147-949A-1

Alignment Scores:
Pred. No.: 339 Length: 2600
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 1 Gaps: 0

US-09-402-713A-7 (1-51) x US-08-147-949A-1 (1-2600)

OY 40 AlaLeucylsLeuValProLeu 46
Db 2014 GCTTTGTGCTTTGTCCCTG 1994

RESULT 36
US-09-484-970B-90/C
; Sequence 90, Application US/09484970B
; Patent No. 6426186
; GENERAL INFORMATION:
; APPLICANT: Jones, Karen A.
; APPLICANT: Volkmuth, Wayne
; APPLICANT: Walker, Michael G.
; TITLE OF INVENTION: BONE REMODELING GENES
; FILE REFERENCE: PB-0014 US
; CURRENT APPLICATION NUMBER: US/09/484,970B
; CURRENT FILING DATE: 2000-01-18
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PERL Program
; SEQ ID NO 90
; LENGTH: 2798
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6426186 245084.3CB1
; NAME/KEY: unsure
; LOCATION: 126, 129, 199, 204
; OTHER INFORMATION: a, t, c, g, or other
US-09-484-970B-90

Alignment Scores:
Pred. No.: 364 Length: 2798
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-484-970B-90 (1-2798)

OY 21 AlaGlnArgSerLeuGlyGlu 27
Db 1650 GCACAGACGACGCTGGGAG 1630

RESULT 37
US-09-203-453-4
; Sequence 4, Application US/09203453
; Patent No. 6426411
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and Adelmant, Guilan
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR(SYMBOL 103 \f"symbol") COACTIVA
; FILE REFERENCE: DFN-023CP
; CURRENT APPLICATION NUMBER: US/09/203,453
; CURRENT FILING DATE: 1998-12-01
```

```

; EARLIER APPLICATION NUMBER: 09/086,912
; EARLIER FILING DATE: 1998-05-29
; EARLIER APPLICATION NUMBER: 60/048,107
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 3023
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (89)..(2482)
US-09-203-453-4

Alignment Scores:
Pred. No.: 391          Length: 3023
Score: 7.00           Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-203-453-4 (1-3023)
QY 19 LysgluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 38
US-09-900-236-4
; Sequence 4, Application US/09900236
; Patent No. 6525178
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and
; ADDELANT, Guillaume
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR(SYMBOL 103 \f "Symbol")
; FILE REFERENCE: DFN-023CP
; CURRENT APPLICATION NUMBER: US/09/900,236
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/203,453
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-01
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/048,107
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 3023
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (89)..(2482)
US-09-900-236-4

Alignment Scores:
Pred. No.: 391          Length: 3023
Score: 7.00           Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-900-236-4 (1-3023)
QY 19 LysgluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 39
US-09-086-912-1
; Sequence 1, Application US/09086912
; Patent No. 6166192
; GENERAL INFORMATION:
; APPLICANT: Bruce M. Spiegelman, Pere Puigserver and Zhidan Wu
; TITLE OF INVENTION: PGC-1, A NO. 6166192el Brown Fat PPAR(SYMBOL
; TITLE OF INVENTION: 103 \f "Symbol") Coactivator
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/086,912
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/048,107
; FILING DATE: 30-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy B.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: DFN-023
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3066 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 92..2482
US-09-086-912-1

Alignment Scores:
Pred. No.: 397          Length: 3066
Score: 7.00           Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 3 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-086-912-1 (1-3066)
QY 19 LysgluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 40
US-09-203-453-1
; Sequence 1, Application US/09203453
; Patent No. 6426411
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and Adelman, Guilan
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR(SYMBOL 103 \f "Symbol") COACTIVA
; FILE REFERENCE: DFN-023CP
; CURRENT APPLICATION NUMBER: US/09/203,453
; PRIOR FILING DATE: 1998-12-01
; EARLIER APPLICATION NUMBER: 09/086,912
; EARLIER FILING DATE: 1998-05-29
; EARLIER APPLICATION NUMBER: 60/048,107
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.0
```

SEQ ID NO 1
LENGTH: 3066
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (92)..(2482)
US-09-203-453-1

Alignment Scores:

Pred. No.: 397 Length: 3066
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-203-453-1 (1-3066)

OY 19 LysgluaIaGlnArGerIeu 25
|||||

DB 2456 AAGGAGCTCAGAGAGCTTG 2476

RESULT 41

US-09-900-236-1
Sequence 1, Application US/09900236
Patent No. 6525178
GENERAL INFORMATION:
APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and
APPLICANT: Adelmant, Guillaume
TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR(SYMBOL 103 \f "symbol")
FILE REFERENCE: DFN-023CP
CURRENT APPLICATION NUMBER: US/09/900,236
CURRENT FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/203,453
PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-01
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/048,107
PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-30
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 3066
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (92)..(2482)
US-09-900-236-1

Alignment Scores:

Pred. No.: 397 Length: 3066
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-900-236-1 (1-3066)

OY 19 LysgluaIaGlnArGerIeu 25
|||||

DB 2456 AAGGAGCTCAGAGAGCTTG 2476

RESULT 42

US-09-221-017B-255/C
Sequence 255, Application US/09221017B
Patent No. 6444799
GENERAL INFORMATION:
APPLICANT: ROSS, Bruce C.
TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
NUMBER OF SEQUENCES: 1120
CORRESPONDENCE ADDRESS:

ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FASTSEQ for Windows Version 2.0b

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221,017B
FILING DATE: 23-DEC-1998

CLASSIFICATION:
PRIOR APPLICATION DATA:

APPLICATION NUMBER: PP1182
FILING DATE: 31-DEC-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1546
FILING DATE: 30-JAN-1998

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP2911
FILING DATE: 09-APR-1998

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/AU98/01023
FILING DATE: 10-DEC-1998

ATTORNEY/AGENT INFORMATION:
NAME: Monroy, Gladys H
REGISTRATION NUMBER: 32,430
REFERENCE/DOCKET NUMBER: 27340-20021.00

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792

TELEX: 706141
INFORMATION FOR SEQ ID NO: 255:

SEQUENCE CHARACTERISTICS:
LENGTH: 3218 base pairs
TYPE: nucleic acid
STRANDEDNESS: double

TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO
ANTI-SENSE: UNKNOWN

ORIGINAL SOURCE:
ORGANISM: PORPHYROMONAS GINGIVALIS

FEATURE:
NAME/KEY: misc_feature
LOCATION: 1...3218

US-09-221-017B-255

Alignment Scores:

Pred. No.: 415 Length: 3218
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-221-017B-255 (1-3218)

OY 35 SerSerMetSerLeuAlaIeu 41
|||||

DB 2787 AGTTCATGAGCTTGCCCTTG 2767

RESULT 43

US-08-961-527-70/C
Sequence 70, Application US/08961527
Patent No. 6420135
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
NUMBER OF SEQUENCES: 391

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Human Genome Sciences, Inc.
;; STREET: 9410 Key West Avenue
;; CITY: Rockville
;; STATE: Maryland
;; COUNTRY: USA
;; ZIP: 20850
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 3.50 Inch, 1.4Mb storage
;; COMPUTER: HP Vectra 486/33
;; OPERATING SYSTEM: MSDOS version 6.2
;; SOFTWARE: ASCII Text
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/961,527
;; FILING DATE:
;; CLASSIFICATION: 424
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Brookes, A. Anders
;; REGISTRATION NUMBER: 36,373
;; REFERENCE/DOCKET NUMBER: PB340P1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (301) 309-8504
;; TELEFAX: (301) 309-8512
;; INFORMATION FOR SEQ ID NO: 70:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 13188 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; US-08-961-527-70

Alignment Scores:
Pred. No.: 1.59e+03 Length: 13188
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-08-961-527-70 (1-13188)

OY 40 AlaleucysleuvalProleu 46
|||||
Db 2186 GCGGTATGTTGGTGCCTTA 2166

RESULT 44
US-09-215-694-19/C
; Sequence 19, Application US/09215694B
; Patent No. 6391583
; GENERAL INFORMATION:
; APPLICANT: Wisconsin Alumni Research Foundation
; APPLICANT: Hutchinson, Charles R.
; APPLICANT: Kennedy, Jonathan n.m.1
; TITLE OF INVENTION: METHOD OF PRODUCING ANTIHYPERCHOLESTEROLEMIC AGENTS
; FILE REFERENCE: 960296.95718
; CURRENT APPLICATION NUMBER: US/09/215.694B
; CURRENT FILING DATE: 1999-12-18
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 31328
; TYPE: DNA
; ORGANISM: Aspergillus terreus
US-09-215-694-19

Alignment Scores:
Pred. No.: 3.62e+03 Length: 31328
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-215-694-19 (1-31328)

OY 22 GlnArgSerLeuGlyGluMet 28
|||||
Db 24667 CACAGTAGTCTCGCGGAATG 24647

RESULT 45
US-09-738-894A-3/C
; Sequence 3, Application US/09738894A
; Patent No. 6331423
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CLO00636
; CURRENT APPLICATION NUMBER: US/09/738,894A
; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 36651
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(36651)
; OTHER INFORMATION: n = A,T,C or G
US-09-738-894A-3

Alignment Scores:
Pred. No.: 4.21e+03 Length: 36651
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-738-894A-3 (1-36651)

OY 35 SerSerMetSerLeuAlaIleu 41
|||||
Db 15084 TCCAGTATGTCTCTAGCATTG 15064

Search completed: September 29, 2003, 14:57:27
job time : 60.5 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 29, 2003, 14:39:34 : Search time 122.058 Seconds
(without alignments)
7366.135 Million cell updates/sec

Title: US-09-402-713a-1

Perfect score: 2037
Sequence: 1 agaagctgcgtcagcaaaaaa.....cataaagaattacaaga 2037

Scoring table: OLIGO_NUC
Gapop 60.0, Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 100 summaries

Database :

1: /cgn2_6/ptodata/1/lna/5A.COMB.seq:*
2: /cgn2_6/ptodata/1/lna/5B.COMB.seq:*
3: /cgn2_6/ptodata/1/lna/6A.COMB.seq:*
4: /cgn2_6/ptodata/1/lna/6B.COMB.seq:*
5: /cgn2_6/ptodata/1/lna/PCtUS.COMB.seq:*
6: /cgn2_6/ptodata/1/lna/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1154	56.7	2426	US-09-439-313-470	Sequence 470, App
2	1154	56.7	2426	US-09-352-616A-470	Sequence 470, App
3	1154	56.7	3112	US-09-439-313-468	Sequence 468, App
4	1154	56.7	3112	US-09-352-616A-468	Sequence 468, App
5	1033	50.7	2229	US-09-439-313-469	Sequence 469, App
6	1033	50.7	2229	US-09-352-616A-469	Sequence 469, App
7	720	35.3	812	US-09-439-313-471	Sequence 471, App
8	720	35.3	812	US-09-352-616A-471	Sequence 471, App
9	201	9.9	718	US-09-439-313-313	Sequence 313, App
10	201	9.9	718	US-09-352-616A-313	Sequence 313, App
11	201	9.9	718	US-09-232-149A-313	Sequence 313, App
12	179	8.8	301	US-09-439-313-287	Sequence 287, App
13	179	8.8	301	US-09-352-616A-287	Sequence 287, App
14	179	8.8	301	US-09-232-149A-287	Sequence 287, App
15	26	1.3	1379	US-09-620-312D-791	Sequence 791, App
16	26	1.3	1462	US-09-620-312D-788	Sequence 788, App
17	26	1.3	1519	US-09-620-312D-789	Sequence 789, App
18	20	1.0	1664976	US-08-916-421B-1	Sequence 1, App1
19	161	1	1	US-08-450-834-3	Sequence 3, App1
20	0.9	948	4	US-09-107-532A-2263	Sequence 2263, App
21	0.9	98844	4	US-09-791-211-10	Sequence 10, App1
22	0.9	1324	4	US-09-599-360B-59	Sequence 59, App1
23	0.9	1735	1	US-08-102-863-10	Sequence 10, App1
24	0.9	1735	5	PCT-US92-10885-10	Sequence 10, App1
25	0.9	3645	2	US-08-663-112-1	Sequence 1, App1
26	0.9	4527	2	US-08-944-449-8	Sequence 8, App1
27	0.9	4527	4	US-09-353-362-8	Sequence 8, App1

28	18	0.9	8930	4	US-09-077-098A-1	Sequence 1, App1
29	18	0.9	17000	4	US-09-679-299A-18	Sequence 18, App1
30	18	0.9	72604	4	US-09-268-992-7	Sequence 7, App1
31	18	0.9	72604	4	US-09-657-474-7	Sequence 7, App1
32	18	0.9	99500	4	US-09-798-096-10	Sequence 10, App1
33	17	0.8	157	1	US-08-392-678-11	Sequence 11, App1
34	17	0.8	157	1	US-08-457-304A-11	Sequence 11, App1
35	17	0.8	157	1	US-08-456-701A-11	Sequence 11, App1
36	17	0.8	157	4	US-08-688-932A-11	Sequence 11, App1
37	17	0.8	426	4	US-09-328-352-2225	Sequence 2225, App
38	17	0.8	590	4	US-09-364-206-25	Sequence 25, App1
39	17	0.8	659	2	US-08-454-115-1	Sequence 5, App1
40	17	0.8	831	1	US-08-450-834-5	Sequence 5, App1
41	17	0.8	981	4	US-09-134-001C-982	Sequence 982, App
42	17	0.8	1017	4	US-09-328-475C-104	Sequence 104, App
43	17	0.8	1242	2	US-08-454-115-4	Sequence 4, App1
44	17	0.8	2196	4	US-08-313-274-1	Sequence 1, App1
45	17	0.8	2389	4	US-09-228-986-1	Sequence 1, App1
46	17	0.8	2427	1	US-08-490-099-1	Sequence 1, App1
47	17	0.8	2920	4	US-08-976-259-10	Sequence 10, App1
48	17	0.8	3247	3	US-08-718-388-4	Sequence 4, App1
49	17	0.8	3661	3	US-08-718-388-5	Sequence 5, App1
50	17	0.8	3675	3	US-08-793-331-5	Sequence 5, App1
51	17	0.8	5128	4	US-09-364-206-1	Sequence 1, App1
52	17	0.8	6792	4	US-09-374-454-20	Sequence 20, App1
53	17	0.8	7824	3	US-08-718-388-6	Sequence 6, App1
54	17	0.8	1857	4	US-09-620-312D-75	Sequence 75, App1
55	17	0.8	15202	3	US-08-922-635-21	Sequence 21, App1
56	17	0.8	15328	2	US-08-888-497-33	Sequence 33, App1
57	17	0.8	15328	4	US-09-362-230-33	Sequence 33, App1
58	17	0.8	15328	5	PCT-US94-07926-33	Sequence 33, App1
59	17	0.8	16382	3	US-08-923-137-2	Sequence 3, App1
60	17	0.8	36519	3	US-08-923-137-2	Sequence 2, App1
61	17	0.8	46718	4	US-09-816-093-3	Sequence 3, App1
62	17	0.8	64467	4	US-09-803-671B-3	Sequence 3, App1
63	17	0.8	64467	4	US-08-916-421B-1	Sequence 1, App1
64	16	0.8	1664976	4	US-09-705-299-79	Sequence 79, App1
65	16	0.8	20	4	US-09-671-317-654	Sequence 654, App
66	16	0.8	51	3	US-09-046-673-27	Sequence 27, App1
67	16	0.8	89	2	US-08-379-482A-3	Sequence 3, App1
68	16	0.8	154	4	US-09-016-434-1001	Sequence 1001, App
69	16	0.8	219	4	US-09-328-352-2419	Sequence 2419, App
70	16	0.8	243	4	US-09-280-116-75	Sequence 75, App1
71	16	0.8	279	4	US-09-313-294A-3072	Sequence 3072, App
72	16	0.8	430	1	US-08-466-033-27	Sequence 27, App1
73	16	0.8	430	1	US-08-444-733-27	Sequence 27, App1
74	16	0.8	430	2	US-08-464-134-27	Sequence 27, App1
75	16	0.8	430	2	US-08-461-361-27	Sequence 27, App1
76	16	0.8	430	2	US-08-485-910-27	Sequence 27, App1
77	16	0.8	441	3	US-08-856-253-1	Sequence 1, App1
78	16	0.8	495	4	US-09-328-352-1407	Sequence 1407, App
79	16	0.8	581	4	US-09-671-545A-1	Sequence 1, App1
80	16	0.8	622	3	US-09-385-962-189	Sequence 189, App
81	16	0.8	630	4	US-09-328-352-799	Sequence 799, App
82	16	0.8	658	4	US-09-671-545A-2	Sequence 2, App1
83	16	0.8	695	3	US-09-040-984-39	Sequence 39, App1
84	16	0.8	695	4	US-09-123-912-39	Sequence 39, App1
85	16	0.8	695	4	US-09-643-557-39	Sequence 39, App1
86	16	0.8	695	4	US-09-480-884A-39	Sequence 39, App1
87	16	0.8	695	4	US-09-542-615A-39	Sequence 39, App1
88	16	0.8	695	4	US-09-606-421B-39	Sequence 39, App1
89	16	0.8	716	3	US-08-991-769A-17	Sequence 37, App1
90	16	0.8	716	3	US-09-065-451-37	Sequence 37, App1
91	16	0.8	716	4	US-09-596-326-37	Sequence 37, App1
92	16	0.8	716	4	US-09-289-198-37	Sequence 37, App1
93	16	0.8	750	4	US-09-134-001C-2193	Sequence 2193, App
94	16	0.8	752	4	US-09-484-970B-88	Sequence 88, App1
95	16	0.8	793	4	US-09-221-017B-104	Sequence 104, App
96	16	0.8	801	4	US-09-134-001C-2409	Sequence 2409, App
97	16	0.8	801	4	US-09-253-991A-698	Sequence 698, App
98	16	0.8	806	4	US-08-936-165A-6	Sequence 6, App1
99	16	0.8	816	2	US-07-637-865-1	Sequence 1, App1
100	16	0.8	849	3	US-08-856-253-3	Sequence 3, App1

ALIGNMENTS

RESULT 1

US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kaios, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439, 313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

Query Match 56.7%; Score 1154; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGAGAAATAGAAAGCTGCTGACTTACCATCTGAGGCCACACATCTGCTGAATGG 322
DB 1769 GGTGAGAAATAGAAAGCTGCTGACTTACCATCTGAGGCCACACATCTGCTGAATGG 1710
QY 323 AGATAATTACATCTAGAAAGCAAGATGACATATATATGCTTAAGTAGACATGT 382
DB 1709 AGATAATTACATCTAGAAAGCAAGATGACATATATATGCTTAAGTAGACATGT 1650
QY 383 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAAAGCAAAAGGAGACAC 442
DB 1649 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAAAGCAAAAGGAGACAC 1590
QY 443 AGAGATCCCTGGGAGAAATGCCGCCCATCTTGGGTATCGATGAGCCTGCGCCTGT 502
DB 1589 AGAGATCCCTGGGAGAAATGCCGCCCATCTTGGGTATCGATGAGCCTGCGCCTGT 1530
QY 503 GCTGGTCCCGCTTGTAGGAGAGACATTAGAAATGAATGTGATGCTTTAAAGGA 562
DB 1529 GCTGGTCCCGCTTGTAGGAGAGACATTAGAAATGAATGTGATGCTTTAAAGGA 1470
QY 563 TGGGAGAGAAAGATCTGTGTGATTTTATTTGAACGGGATTAAGATTTGAAT 622
DB 1469 TGGGAGAGAAAGATCTGTGTGATTTTATTTTGAACGGGATTAAGATTTGAAT 1410
QY 623 GAAGTCACAAAGTGAGCATTAACCAATGAGAGAGAAACAGAGAGAAATCTTGATGCTT 682
DB 1409 GAAGTCACAAAGTGAGCATTAACCAATGAGAGAGAAACAGAGAGAAATCTTGATGCTT 1350
QY 683 CACAGACATGCAACAAACAAATGAAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 742
DB 1349 CACAGACATGCAACAAACAAATGAAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 1290
QY 743 AGGAGATTAACCGGGGAGAGGATCTGAGATCTGAGGATCTGAGGATCTGAGGATCTG 802
DB 1289 AGGAGATTAACCGGGGAGAGGATCTGAGATCTGAGGATCTGAGGATCTGAGGATCTG 1230

QY 803 ATACCAATCATTTATTTCTTAACCTCAAAACAAAGCTGTGTATATCTGATCTC 862
DB 1229 ATACCAATCATTTATTTCTTAACCTCAAAACAAAGCTGTGTATATCTGATCTC 1170
QY 863 TAGGTTCTTGTGGGCCCAACATTTCTCAATATCCAGCCACATCTTTTAATATT 922
DB 1169 TAGGTTCTTGTGGGCCCAACATTTCTCAATATCCAGCCACATCTTTTAATATT 1110
QY 923 AGTTCCAGATCTGTAGCTGACCTTCTACATGTGAATTAACATTAATCTTTGCTC 982
DB 1109 AGTTCCAGATCTGTAGCTGACCTTCTACATGTGAATTAACATTAATCTTTGCTC 1050
QY 983 AAAGACCTTCGTGTGCTCCCTAATATGTAGCTGACTGTTTTCTTAAGAGTGTCTC 1042
DB 1049 AAAGACCTTCGTGTGCTCCCTAATATGTAGCTGACTGTTTTCTTAAGAGTGTCTC 990
QY 1043 GCCCAGGGATCTGTGACAGGCTGGAGACATCTCAAGATCTTTCAGGGTTATCTTA 1102
DB 989 GCCCAGGGATCTGTGACAGGCTGGAGACATCTCAAGATCTTTCAGGGTTATCTTA 930
QY 1103 CTAGCACACGATGATCATTAAGAGTGAATATCAATCAATCAATCAATCAATCAAT 1162
DB 929 CTAGCACACGATGATCATTAAGAGTGAATATCAATCAATCAATCAATCAATCAAT 870
QY 1163 TTGCCATTAATATCAAGATTAATTTTGTTCAGTGAATTAATTAATTAATTAATTA 1222
DB 869 TTGCCATTAATATCAAGATTAATTTTGTTCAGTGAATTAATTAATTAATTAATTA 810
QY 1223 TTGCCATTAATATCAAGATTAATTTTGTTCAGTGAATTAATTAATTAATTAATTA 1282
DB 809 TTGCCATTAATATCAAGATTAATTTTGTTCAGTGAATTAATTAATTAATTAATTA 750
QY 1283 CAGCTATGGAATTAATTAATTTTGTTCAGTGAATTAATTAATTAATTAATTAATTA 1342
DB 749 CAGCTATGGAATTAATTAATTTTGTTCAGTGAATTAATTAATTAATTAATTAATTA 690
QY 1343 TCCCTCCCTTGTGTGATTTTGTTCAGTGAATTAATTAATTAATTAATTAATTA 1402
DB 689 TCCCTCCCTTGTGTGATTTTGTTCAGTGAATTAATTAATTAATTAATTAATTA 630
QY 1403 AGGCTGTATACAGC 1416
DB 629 AGGCTGTATACAGC 616

RESULT 2

US-09-352-616A-470/c
; Sequence 470, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-470

Query Match 56.7%; Score 1154; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	263	GGGAGAGAAATTAAGAAAGCGTCGACATCTTTCACATCTGAGGCGACACATCTGCTAAATGG	322
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QY	323	AGATTAATTAATCATCTACTAGAAACAGCAAGATGACAAATATATGTCATAAGTAGACATGT	382
Db	1709	AGATTAATTAATCATCTACTAGAAACAGCAAGATGACAAATATATGTCATAAGTAGACATGT	1650
QY	383	TTTTGGCACAATTTCCAGCCCTTTTAATATCCACACACAGGAAGCACAAAAGAACAC	442
Db	1649	TTTTGGCACAATTTCCAGCCCTTTTAATATCCACACACAGGAAGCACAAAAGAACAC	1590
QY	443	AGAGATCCCTGGGGGAAATGCCGGCCGCCACTCTGGGTATCGATGAGCCCTGCCCTGT	502
Db	1589	AGAGATCCCTGGGGGAAATGCCGGCCGCCACTCTGGGTATCGATGAGCCCTGCCCTGT	1530
QY	503	GCCCTGGTCCCGCTGTGTAGGGAAGGACATTAGAAAATGAATGTGATGTTCTCTTAAGGA	562
Db	1529	GCCCTGGTCCCGCTGTGTAGGGAAGGACATTAGAAAATGAATGTGATGTTCTCTTAAGGA	1470
QY	563	TGGGCAGGAAAACAGATCTCTGTTGTGATATTTATTTGAACGGATTACAGATTTGAAT	622
Db	1469	TGGGCAGGAAAACAGATCTCTGTTGTGATATTTATTTGAACGGATTACAGATTTGAAT	1410
QY	623	GAAGTCCAAAGTAGACATTACCAATAGAGGGAACACAGACGAAAAATCTGATGGCTT	682
Db	1409	GAAGTCCAAAGTAGACATTACCAATAGAGGGAACACAGACGAAAAATCTGATGGCTT	1350
QY	683	CACAAAGCATGCAACAACAAAATGAATACTGTGATGACATGAGGACGCCAACCTGGGG	742
Db	1349	CACAAAGCATGCAACAACAAAATGAATACTGTGATGACATGAGGACGCCAACCTGGGG	1290
QY	743	AGGAGATPACCCAGGGGAGAGGGTCAGGATTCGGCCCTGCTGACCTTAACTGTGCGTTC	802
Db	1289	AGGAGATPACCCAGGGGAGAGGGTCAGGATTCGGCCCTGCTGACCTTAACTGTGCGTTC	1230
QY	803	ATAACCAAAATCATTTCTATTTCTTAACCCCTCAAAACAAAGCTGTGTAATTCGATCTC	862
Db	1229	ATAACCAAAATCATTTCTATTTCTTAACCCCTCAAAACAAAGCTGTGTAATTCGATCTC	1170
QY	863	TACGGTTCCTTCTGGGCCAAACATTTCTCATATATCCAGCCACACTATTTTAAATATT	922
Db	1169	TACGGTTCCTTCTGGGCCAAACATTTCTCATATATCCAGCCACACTATTTTAAATATT	1110
QY	923	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATTAACATTACTATTTGTTC	982
Db	1109	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATTAACATTACTATTTGTTC	1050
QY	983	AAAGAACCCCTGCTGCTGCTGCTGCTAAATATATAGTCTGACTGTTTTCTTAAGAGTCTCTG	1042
Db	1049	AAAGAACCCCTGCTGCTGCTGCTGCTAAATATATAGTCTGACTGTTTTCTTAAGAGTCTCTG	990
QY	1043	GCCGAGGAGATCTGTAAACAGGCTGGGAGAGCATCTAAAGATCTTTCCAGGGTTATACTTA	11020
Db	989	GCCGAGGAGATCTGTAAACAGGCTGGGAGAGCATCTAAAGATCTTTCCAGGGTTATACTTA	930
QY	1103	CTAGCACACAGCATGATCATTTACGGAATATCTAATCAACATCATCTCGAGTGTCT	1162
Db	929	CTAGCACACAGCATGATCATTTACGGAATATCTAATCAACATCATCTCGAGTGTCT	870
QY	1163	TTGGCCCATCTGGAATTCATTTCCCACTTTTGTGCCACTTCTCAAGACCTCAAAATGTCA	1222
Db	869	TTGGCCCATCTGGAATTCATTTCCCACTTTTGTGCCACTTCTCAAGACCTCAAAATGTCA	810
QY	1223	TTTCATTAAATACAGGATTAACCTTTTTTAACTGGAAGATTCATGTTACTG	128
Db	809	TTTCATTAAATACAGGATTAACCTTTTTTAACTGGAAGATTCATGTTACTG	750
QY	1283	CAGCTATGGGATTTAATTAACATATTTTGTTCAGTGCAGAAAGATGACTAAGTCTTTA	1342
Db	749	CAGCTATGGGATTTAATTAACATATTTTGTTCAGTGCAGAAAGATGACTAAGTCTTTA	690
QY	1343	TCCCTCCCTTGTGTGATTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCTGTACTG	1402

Db 689 TCCCTCCCTTGTGATTTTTTCCAGTAAAGTTAAATGCTTAGCTGTGACTG 630

QY 1403 AGGCTGTATPACAGC 1416

Db 629 AGGCTGTATPACAGC 616

RESULT3
US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:

? APPLICANT: Matcham, Jennifer L.
 ? APPLICANT: Harlocker, Susan Louise
 ? APPLICANT: Jiang, Yugen
 ? APPLICANT: Reed, Steven G.
 ? APPLICANT: Kalos, Michel
 ? APPLICANT: Fanger, Gary
 ? APPLICANT: Reiter, Mark
 ? APPLICANT: Solk, John
 ? APPLICANT: Day, Craig
 ? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 ? TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

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; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0

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ORGANISM: Homo sapiens
US-09-439-313-468

Query Match	Score	DB	Length
56.7%	1154	4	3112

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 26 GGTAGAATTAAGAAAGCGCTGCTTATACATCTGAGCGCACACATGCTGTAATGG 322

Db 1313 GGTAGAATTAAGAAAGCGCTGCTTATACATCTGAGCGCACACATGCTGTAATGG 1372

Accession	Gene	Length (bp)	GC Content (%)
323	AGATTAATTAACATCACTAGAAACAGCAAGATGACATATATATGCTTAAGTAGTGACATGT	382	48.7
1373	AGATTAATTAACATCACTAGAAACAGCAAGATGACATATATATGCTTAAGTAGTGACATGT	1432	48.7

DB 1433 TTTCGACATTTCCAGCCCTTTAATATATCCACACACACGAGAACACAAAGGAGCAC 149

503 GCGGCGCTCCCCCTTCGAGCGCAAGGCAAGCAACATTAGAGAAATATGAATTGATCTGTTCCCTTAAGAACA 562

Db 1553 G C C T G T C C C G C T T G T G A G G G A A G G A C A T T A G A A A T G A T T G A T G T G T C C T T A A G G A 1612

QY 563 T G G C G A G A A A C A G A T C C T G T T G G A T T T T A T T T G A C G G G A T T A C A G A T T G A A T 622

Db 1613 TGGGCGAGAAAACAGATCCGCTGTTGTGGATTATTATTGAAACGGGATTTACGATTTGAAAT 1673

QY 623 GAAGTCACAAAGTGAGCATTTACCAATTGAGAGGAAAACAGACGAGCAAAATTTGATGGCTT 682

Db	1673	GAGTCACAAAGTGGCATTAACAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCTT	173
QY	683	CACAAGACATGCACAAACAAAATGGAATCTGTGATGACATGAGCAGCACAAGCTGGGG	742

Db 1733 CACAAGACATGCACAACAACAAATGCAATACTGTGATGACATGAGCGACGCCAAGCTGGGG 179

QY	743	AGGAGTATPACACGGGGGACAGGGGTCAAGGATTCCTGGCCCTGCTGCTAACTGTGCGCTC	802
Db	1793	AGGAGTATPACACGGGGGACAGGGGTCAAGGATTCCTGGCCCTGCTGCTAACTGTGCGCTC	1852
QY	803	ATAACCAAAATCTTTCATATTTCTTAACCCCTCAAAACAAAGCTGTGTAAATATTCGATCTC	862
Db	1853	ATAACCAAAATCTTTCATATTTCTTAACCCCTCAAAACAAAGCTGTGTAAATATTCGATCTC	1912
QY	863	TACGGTTCCTTCCTGGGCGCAACATTCCTCCATATATATCCAGCCACGCTCATTTTAAATTT	922
Db	1913	TACGGTTCCTTCCTGGGCGCAACATTCCTCCATATATATCCAGCCACGCTCATTTTAAATTT	1972
QY	923	AGTTCCGAGATCTCTACTGTGACCTTTTCTACACGTGTAGAAATAAATTAATTAATTTGTC	982
Db	1973	AGTTCCGAGATCTCTACTGTGACCTTTTCTACACGTGTAGAAATAAATTAATTAATTTGTC	2032
QY	983	AAAGACCTTCGTGTCTGCTGCCATATATGTAGTGAAGTCTTTTTCCTTAAGGAGTGTCTG	1042
Db	2033	AAAGACCTTCGTGTGTGCTGCCATATATGTAGTGAAGTCTTTTTCCTTAAGGAGTGTCTG	2092
QY	1043	GCCGACGGGAGTCTGTGAACACAGCTGGGAGACATCTCAAGATCTTCCAGGGTTATACTTA	1102
Db	2093	GCCGACGGGAGTCTGTGAACACAGCTGGGAGACATCTCAAGATCTTCCAGGGTTATACTTA	2152
QY	1103	CTAGACACACACATGATCATTACGAGTGAATTATCTPAATCAACATCATCTCAGTGTCT	1162
Db	2153	CTACACACACACATGATCATTACGAGTGAATTATCTPAATCAACATCATCTCAGTGTCT	2212
QY	1163	TTGGCCATACATGAATTCATTTTCCACATTTTGTGCCATTCCTCAAGACCTCAAAATGCA	1222
Db	2213	TTGGCCATACATGAATTCATTTTCCACATTTTGTGCCATTCCTCAAGACCTCAAAATGCA	2272
QY	1223	TTCCATTAATATVACACAGATTAACTTTTTCCTTAACCTGGAGAAATTCATGTTACATG	1282
Db	2273	TTCCATTAATATVACACAGATTAACTTTTTCCTTAACCTGGAGAAATTCATGTTACATG	2332
QY	1283	CAGCTATGGGAAATTAATTAATATTTTGTTCACAGTCAAGATGACTAATGCTCTTA	1342
Db	2333	CAGCTATGGGAAATTAATTAATATTTTGTTCACAGTCAAGATGACTAATGCTCTTA	2392
QY	1343	TCCCTCCCCCTTGTGTGATTTTTCCTCAGTAAAGTTAAATGCTTAGCCTTGTAAGT	1402
Db	2393	TCCCTCCCCCTTGTGTGATTTTTCCTCAGTAAAGTTAAATGCTTAGCCTTGTAAGT	2452
QY	1403	AGCGTATATACAGC 1416	
Db	2453	AGCGTATATACAGC 2466	
RESULT 4			
US-09-352-616A-468			
: Sequence 468, Application US/09352616A			
: Patent No. 6395278			
: GENERAL INFORMATION:			
: APPLICANT: Dillion, Davin C.			
: APPLICANT: Harlocker, Susan Louise			
: APPLICANT: Jiang, Yugu			
: APPLICANT: Xu, Jiangchun			
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS			
: FILE REFERENCE: 210121.427C8			
: CURRENT APPLICATION NUMBER: US/09/352,616A			
: NUMBER OF SEQ ID NOS: 472			
: SOFTWARE: FastSeq for Windows Version 3.0			
: SEQ ID NO 468			
: LENGTH: 3112			
: TYPE: DNA			
: ORGANISM: Homo sapiens			
US-09-352-616A-468			
Query Match			
56.7%; Score1154; DB 4; Length 3112;			

	Best Local Similarity	100.0%	Pred. No. 0:	
	Matches 1154:	Conservative 0:	Mismatches 0:	Indels 0: Gaps 0:
QY	263	GGTGAGAAATTAAGAAAGCGTCGACATTTTACCATCTGAGGCCACACATCTTCGTGAATGG	322	
Db	1313	GGTGAGAAATTAAGAAAGCGTCGACATTTTACCATCTGAGGCCACACATCTTCGTGAATGG	1372	
QY	223	AGATTAATTAACATCACTAGTAAGAACGCAAGATGACAAATATATATGCTAAGTAAGTACATGT	382	
Db	1373	AGATTAATTAACATCACTAGTAAGAACGCAAGATGACAAATATATATGCTAAGTAAGTACATGT	1432	
QY	383	TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACACAGAGACCAAAAGGAAGACAC	442	
Db	1433	TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACACAGAGACCAAAAGGAAGACAC	1492	
QY	443	AGAAATCCCTTGGGAGAAATGGCCGGCCCATCTTGGGGTCAATGCATAGCCTGGCCCTGT	502	
Db	1493	AGAAATCCCTTGGGAGAAATGGCCGGCCCATCTTGGGGTCAATGCATAGCCTGGCCCTGT	1552	
QY	503	GCTGTGTCCTCCCTTGTGAGGAGAGACATTTAGAAATTAAGATTAATGATGTTCCTTAAAGGA	562	
Db	1553	GCTGTGTCCTCCCTTGTGAGGAGAGACATTTAGAAATTAAGATTAATGATGTTCCTTAAAGGA	1612	
QY	563	TGGCGAGAAATCAAGATCTCTGTGATATTTATTTGAACGGATTAACGATTTGAAAT	622	
Db	1613	TGGCGAGAAATCAAGATCTCTGTGATATTTATTTGAACGGATTAACGATTTGAAAT	1672	
QY	623	GAACTCAAAAGTATAGCATTTCCAAATGAGAGAAACAGACGAGAAATCTTATGAGCCTT	682	
Db	1673	GAACTCAAAAGTATAGCATTTCCAAATGAGAGAAACAGACGAGAAATCTTATGAGCCTT	1732	
QY	683	CACAAGACATSCAAACAAACAAATGGAATCTGTGATGACATGAGGACGCCAAGCTGGGG	742	
Db	1733	CACAAGACATSCAAACAAACAAATGGAATCTGTGATGATGACATGAGGACGCCAAGCTGGGG	1792	
QY	743	AGGAGATTACACAGGGGGCAGGGGTCCAGGATTTGCGCCCTGCTCCCTTAACCTGGGCTTC	802	
Db	1793	AGGAGATTACACAGGGGGCAGGGGTCCAGGATTTGCGCCCTGCTCCCTTAACCTGGGCTTC	1852	
QY	803	ATTAACCAATCATTTCAATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTC	862	
Db	1853	ATTAACCAATCATTTCAATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTC	1912	
QY	863	TACGGTTCCTCTGCGGCCCAACATTTCTCCATATATCCAGCCACACTATTTTAAATTTT	922	
Db	1913	TACGGTTCCTCTGCGGCCCAACATTTCTCCATATATCCAGCCACACTATTTTAAATTTT	1972	
QY	923	AGTTCCCGAGCTGTAGCTGATGACCTTTCTACGTGTGAATTAACATTAACATTTTGTTC	982	
Db	1973	AGTTCCCGAGCTGTAGCTGATGACCTTTCTACGTGTGAATTAACATTAACATTTTGTTC	2032	
QY	983	AAAGACCCCTTCGTGTGCTGCTAATATGTAAGTACTGTTTTTCTTAAGAGATGTTCTG	1042	
Db	2033	AAAGACCCCTTCGTGTGCTGCTAATATGTAAGTACTGTTTTTCTTAAGAGATGTTCTG	2092	
QY	1043	GCCGAGGGGATCTGTGAACAGGCGGGGAGAGATCTCAAGATCTTCCAGGGTTATCTTA	1102	
Db	2093	GCCGAGGGGATCTGTGAACAGGCGGGGAGAGATCTCAAGATCTTCCAGGGTTATCTTA	2152	
QY	1103	CTACACACACAGATGATCTAACGAGAGTGAATTTCTTAATCAACATCATCTCTAGTCTCT	1162	
Db	2153	CTACACACACAGATGATCTAACGAGAGTGAATTTCTTAATCAACATCATCTCTAGTCTCT	2212	
QY	1163	TTGGCCCATACTGGAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1222	
Db	2213	TTGGCCCATACTGGAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	2272	
QY	1223	TTTCATTAATATTCACAGATTAATCTTTTTTTTTTAACCTGGAAATTAATCAATGTATCATG	1282	
Db	2273	TTTCATTAATATTCACAGATTAATCTTTTTTTTTTAACCTGGAAATTAATCAATGTATCATG	2332	
QY	1283	CAGCTATGGAATTTAAATTACATATTTTGTTCCTCACTGCAAAAGATGACTAAGTCTTTTA	1342	

Db 2333 CAGCTATGGAATTTAATACATATTTGTTTCCAGTGGCAAGATGACATAGCTCTTA 2392
QY 1343 TCCTCCCTTTGTTTATTTTTCAGATATAAATAGCTTAGCCTGTACTG 1402
Db 2393 TCCTCCCTTTGTTTATTTTTCAGATATAAATAGCTTAGCCTGTACTG 2452
QY 1403 AGGCTATATACAGC 1416
Db 2453 AGGCTATATACAGC 2466

RESULT 5
US-09-439-313-469/C
: Sequence 469, Application US/09439313
: Patent No. 6329505
: GENERAL INFORMATION:
: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Reed, Steven G.
: APPLICANT: Kalos, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Relfer, Mark
: APPLICANT: Solk, John
: APPLICANT: Day, Craig
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
: FILE REFERENCE: 210121.427C9
: CURRENT APPLICATION NUMBER: US/09/439, 313
: NUMBER OF SEQ ID NOS: 575
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-439-313-469

Query Match 50.7%; Score 1033; DB 4; Length 2229;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1153; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 263 GGTGAGAAATAGAAAGGCTGCTACTTTACCATCTGAGGCCACACATCTGCTAAATGG 322
Db 1775 GGTGAGAAATAGAAAGGCTGCTACTTTACCATCTGAGGCCACACATCTGCTAAATGG 1716
QY 323 AGATATTAACATCACTAGAAAGCAAGATGACAATATATGTCTAAGTAGTGACATGT 382
Db 1715 AGATATTAACATCACTAGAAAGCAAGATGACAATATATGTCTAAGTAGTGACATGT 1656
QY 383 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGACACAAAGAGACAC 442
Db 1655 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGACACAAAGAGACAC 1596
QY 443 AGAGATCCCTGGGAGAAATGCCGCCCATCTTGGGTGATGATGAGCCCTGCTGT 502
Db 1595 AGAGATCCCTGGGAGAAATGCCGCCCATCTTGGGTGATGATGAGCCCTGCTGT 1536
QY 503 GCCGTGCTCCGCTGTGAGGAGGACATTAAGAAATGATGTGTTCTTAAAGGA 562
Db 1535 GCCGTGCTCCGCTGTGAGGAGGACATTAAGAAATGATGTGTTCTTAAAGGA 1476
QY 563 TGGGAGGAGAAACAGATCTGTTGTGATATTTTGAACGGGATTACAGATTTGAAAT 622
Db 1475 TGGGAGGAGAAACAGATCTGTTGTGATATTTTGAACGGGATTACAGATTTGAAAT 1416
QY 623 GAAGTCACAAAGTGACATTAACATGAGAGAGAAACAGACAGAGAAATCTTGATGCTT 682
Db 1415 GAAGTCACAAAGTGACATTAACATGAGAGAGAAACAGACAGAGAAATCTTGATGCTT 1356
QY 683 CACAAGACATGCAACAAACAAATGAAATGATGATGACATGAGGACGCAACCTGGGG 742

Db 1355 CACAAGACATGCAACAAACAAATGAAATGATGATGACATGAGGACGCAACCTGGGG 1296
QY 743 AGAGATTAACACAGGAGGAGAGGCTAGAGATTCGGCCCTGCTCCCTAACTGCTTC 802
Db 1295 AGAGATTAACACAGGAGGAGAGGCTAGAGATTCGGCCCTGCTCCCTAACTGCTTC 1236
QY 803 ATACCAATATCATTTTCAATTTTCTAACCCCTCAAAACAAAGCTGTTGTAATCTGATCTC 862
Db 1235 ATACCAATATCATTTTCAATTTTCTAACCCCTCAAAACAAAGCTGTTGTAATCTGATCTC 1176
QY 863 TAGGTTCTCTTGGGCGCAACATCTCCATATATCCAGCCACCTCATTTTAAATTT 922
Db 1175 TAGGTTCTCTTGGGCGCAACATCTCCATATATCCAGCCACCTCATTTTAAATTT 1116
QY 923 AGTCCAGATCTGATGATGATCTTCTACACGTAGAAATACATTAATCTTCTTC 982
Db 1115 AGTCCAGATCTGATGATGATCTTCTACACGTAGAAATACATTAATCTTCTTC 1056
QY 983 AAAGACCTTCGTTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGATG 1042
Db 1055 AAAGACCTTCGTTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGATG 996
QY 1043 GCCAGGAGGATCTGTAAGAGGCTGGGAGGATCTCAAGATCTTCCAGGTTATCTTA 1102
Db 995 GCCAGGAGGATCTGTAAGAGGCTGGGAGGATCTCAAGATCTTCCAGGTTATCTTA 936
QY 1103 CTACACACACATGATCATTAAGAGGATGAAATTAATCAATCAATCAATCAATCAATCA 1162
Db 935 CTACACACACATGATCATTAAGAGGATGAAATTAATCAATCAATCAATCAATCAATCA 876
QY 1163 TTGCCCCATCTGAAATTCATTTCCACTTTTGTCCCATCTCTCAAGCTCTCAAAATGCTCA 1222
Db 875 TTGCCCCATCTGAAATTCATTTCCACTTTTGTCCCATCTCTCAAGCTCTCAAAATGCTCA 816
QY 1223 TTCCATTAATCAACAGATTAATTTTCTTAACTGGAAGAAATCAATGTTAATG 1282
Db 815 TTCCATTAATCAACAGATTAATTTTCTTAACTGGAAGAAATCAATGTTAATG 757
QY 1283 CAGCTATGGAATTAATTAATATTTTGTCTTCCAGTGCAGAGATGATGATGATGATG 1342
Db 756 CAGCTATGGAATTAATTAATATTTTGTCTTCCAGTGCAGAGATGATGATGATGATG 697
QY 1343 TCCTCCCTTTGTTGATTTTTCAGATATAAAGTTAAAGCTTAGCCTGTACTG 1402
Db 696 TCCTCCCTTTGTTGATTTTTCAGATATAAAGTTAAAGCTTAGCCTGTACTG 637
QY 1403 AGGCTATATACAGC 1416
Db 636 AGGCTATATACAGC 623

RESULT 6
US-09-352-616A-469/C
: Sequence 469, Application US/09352616A
: Patent No. 6393278
: GENERAL INFORMATION:
: APPLICANT: Dillon, Davin C.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Xu, Jiangchun
: APPLICANT: Mitcham, Jennifer Lynn
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: FILE REFERENCE: 210121.427C8
: CURRENT APPLICATION NUMBER: US/09/352, 616A
: NUMBER OF SEQ ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens

US-09-352-616a-469

Query Match 50.7%; Score 1033; DB 4; Length 2229;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1155; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 263 GGTGAGAAATPAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTGAAATGG 322
 |||||||
 Db 1775 GGTGAGAAATPAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTGAAATGG 1716
 QY 323 AGATAATTACATCCTAGAAAGACGAGATGACATATATATGCTTAAGTAGACATGT 382
 |||||||
 Db 1715 AGATAATTACATCCTAGAAAGACGAGATGACATATATATGCTTAAGTAGACATGT 1656
 QY 383 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAAAGCAACAAAGAGAACAC 442
 |||||||
 Db 1655 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAAAGCAACAAAGAGAACAC 1596
 QY 443 AGAGATCCCTGGGAGAAATGCCGCCGCATCTTGGGTCATCGATGAGCCTCGCCCTGT 502
 |||||||
 Db 1595 AGAGATCCCTGGGAGAAATGCCGCCGCATCTTGGGTCATCGATGAGCCTCGCCCTGT 1536
 QY 503 GCGTGCCCGCTGTTGGAGGAGAGACATTAGAAAAGATGATGATGCTTCTTAAGA 562
 |||||||
 Db 1535 GCGTGCCCGCTGTTGGAGGAGAGACATTAGAAAAGATGATGATGCTTCTTAAGA 1476
 QY 563 TGGGCAAGGAAAGAGATCCTGTTGTGATATTTTGAACGGGATACAGATTGGAAT 622
 |||||||
 Db 1475 TGGGCAAGGAAAGAGATCCTGTTGTGATATTTTGAACGGGATACAGATTGGAAT 1416
 QY 623 GAAGTCAAAAGTAGACATTACCAATGAGAGAAAACAGACGAAATCTTGATGGCTT 662
 |||||||
 Db 1415 GAAGTCAAAAGTAGACATTACCAATGAGAGAAAACAGACGAAATCTTGATGGCTT 1356
 QY 683 CACAAGCATGCAACAACAAATGGAATCTGATGATGATGATGATGATGATGATGATG 742
 |||||||
 Db 1355 CACAAGCATGCAACAACAAATGGAATCTGATGATGATGATGATGATGATGATGATG 1296
 QY 743 AGGAGATTAACCAAGGGGACAGAGGTCAGATCTGCGCTGCTGCTTAACCTGCGCTT 802
 |||||||
 Db 1295 AGGAGATTAACCAAGGGGACAGAGGTCAGATCTGCGCTGCTGCTTAACCTGCGCTT 1236
 QY 803 ATTAACCAATCATTTTCAATTTCTAACCTCAAAACAAAGCTGTTGAATATCTGATCTC 862
 |||||||
 Db 1235 ATTAACCAATCATTTTCAATTTCTAACCTCAAAACAAAGCTGTTGAATATCTGATCTC 1176
 QY 863 TAGGTTCTCTTGGGGCCCAACATCTCCATATATCCAGCACACATCTTTTAATATT 922
 |||||||
 Db 1175 TAGGTTCTCTTGGGGCCCAACATCTCCATATATCCAGCACACATCTTTTAATATT 1116
 QY 923 AGTTCCAGATCTGTACTGTGACTTCTTCACTGATGATAATCAATTACTCATTTTGTTC 982
 |||||||
 Db 1115 AGTTCCAGATCTGTACTGTGACTTCTTCACTGATGATAATCAATTACTCATTTTGTTC 1056
 QY 983 AAAGACCTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1042
 |||||||
 Db 1055 AAAGACCTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 996
 QY 1043 GCCCAGGAGATCTGTGAACAGGCTGGGAGACATCTCAAGATCTTTCAGGGTTATCTTA 1102
 |||||||
 Db 995 GCCCAGGAGATCTGTGAACAGGCTGGGAGACATCTCAAGATCTTTCAGGGTTATCTTA 936
 QY 1103 CTAGACACAGCATGATCATTTAGGAGTGAATATCTAATCAACATCATCTCACTGCTT 1162
 |||||||
 Db 935 CTAGACACAGCATGATCATTTAGGAGTGAATATCTAATCAACATCATCTCACTGCTT 876
 QY 1163 TTGCCATATCTGAATTTCAATTTCCACTTTTGTGCCATCTCAAGACCTCAAAATGTCA 1222
 |||||||
 Db 875 TTGCCATATCTGAATTTCAATTTCCACTTTTGTGCCATCTCAAGACCTCAAAATGTCA 816
 QY 1223 TTCCATTAATATACAGGATTAATCTTTTAAACCTGAGAGATTTCAATTTTCAATG 1282
 |||||||
 Db 815 TTCCATTAATATACAGGATTAATCTTTTAAACCTGAGAGATTTCAATTTTCAATG 757

QY 1283 CAGTATGGAAATTAATATATATTTTGTTCACAGTGCAGAGATGACATGCTTGA 1342
 |||||||
 Db 756 CAGTATGGAAATTAATATATATTTTGTTCACAGTGCAGAGATGACATGCTTGA 697
 QY 1343 TCCCTCCCTTTGTTGATTTTTCACAGTATTAAGTTAAATGCTTACCTTTACTG 1402
 |||||||
 Db 696 TCCCTCCCTTTGTTGATTTTTCACAGTATTAAGTTAAATGCTTACCTTTACTG 637
 QY 1403 AGCTGTATACAGC 1416
 |||||||
 Db 636 AGCTGTATACAGC 623

RESULT 7

US-09-439-313-471/c
 ; Sequence 471, Application US/09439313
 ; Patent No. 6329505
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan Louise
 ; APPLICANT: Jiang Yuqi
 ; APPLICANT: Reed, Steven G.
 ; APPLICANT: Kalos, Michael
 ; APPLICANT: Fanger, Gary
 ; APPLICANT: Retter, Mark
 ; APPLICANT: Solk, John
 ; APPLICANT: Day, Craig
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 ; FILE REFERENCE: 210121.427C9
 ; CURRENT APPLICATION NUMBER: US/09/439,313
 ; CURRENT FILING DATE: 1999-11-12
 ; NUMBER OF SEQ ID NOS: 575
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 471
 ; LENGTH: 812
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-439-313-471

Query Match 35.3%; Score 720; DB 4; Length 812;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 720; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGAGAAATPAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTGAAATGG 322
 |||||||
 Db 720 GGTGAGAAATPAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTGAAATGG 661
 QY 323 AGATAATTACATCCTAGAAAGACGAGATGACATATATATGCTTAAGTAGACATGT 382
 |||||||
 Db 660 AGATAATTACATCCTAGAAAGACGAGATGACATATATATGCTTAAGTAGACATGT 601
 QY 383 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAAAGCAACAAAGAGAACAC 442
 |||||||
 Db 600 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAAAGCAACAAAGAGAACAC 541
 QY 443 AGAGATCCCTGGGAGAAATGCCGCCGCATCTTGGGTCATGATGAGACCTCGCCCTGT 502
 |||||||
 Db 540 AGAGATCCCTGGGAGAAATGCCGCCGCATCTTGGGTCATGATGAGACCTCGCCCTGT 481
 QY 503 GCGTGCCCGCTGTTGGAGGAGAGACATTAGAAAATGAATTGATGTTGCTTAAAGGA 562
 |||||||
 Db 480 GCGTGCCCGCTGTTGGAGGAGAGACATTAGAAAATGAATTGATGTTGCTTAAAGGA 421
 QY 563 TGGGCAAGGAAACAGATCCTGTTGTGATATTTTGAACGGGATTAAGATTGGAAT 622
 |||||||
 Db 420 TGGGCAAGGAAACAGATCCTGTTGTGATATTTTGAACGGGATTAAGATTGGAAT 361
 QY 623 GAAGTCAAAAGTAGACATTACCAATGAGAGAAAACAGACGAAATCTTGATGGCTT 682
 |||||||

Db 360 GAAGTCACAAAGTGCATTTACCAATGAGAGGAAAAACAGACGAGAAATCTTGATGGCTT 301
QY 683 CACAAGACATGCACAAACAAATGGAATGACTGTATACATGAGGCGACCAAGCTGGGG 742
Db 300 CACAAGACATGCACAAACAAATGGAATGACTGTATACATGAGGCGACCAAGCTGGGG 241
QY 743 AGAGATTAACCAAGGAGGAGAGGCTGAGATTTGGCCCTGCTGCTTAACCTGTGCTTC 802
Db 240 AGAGATTAACCAAGGAGGAGGCTGAGATTTGGCCCTGCTGCTTAACCTGTGCTTC 181
QY 803 ATAACCAATATCTTCAATTTCTTAACCTGCAACCAAGCTGTTGTAATATCTGATCTC 862
Db 180 ATAACCAATATCTTCAATTTCTTAACCTGCAACCAAGCTGTTGTAATATCTGATCTC 121
QY 863 TACGGTTCCTTGTGGGCCCAACATTTCTCATATATCCAGCCACTCTTTTAAATTT 922
Db 120 TACGGTTCCTTGTGGGCCCAACATTTCTCATATATCCAGCCACTCTTTTAAATTT 61
QY 923 AGTTCACGATCTGTACTGTGACCTTTCTACACTGTAGAATTAACATTTCTGTTTC 982
Db 60 AGTTCACGATCTGTACTGTGACCTTTCTACACTGTAGAATTAACATTTCTGTTTC 1

RESULT 8

US-09-352-616A-471/C
; Sequence 471, Application US/09352616A

; Patent No. 6395278

; GENERAL INFORMATION:

; APPLICANT: Dillon, Davin C.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Xu, Jiangchun

; APPLICANT: Mitcham, Jennifer Lynn

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; FILE REFERENCE: 210121.427C8

; CURRENT APPLICATION NUMBER: US/09/352,616A

; NUMBER OF SEQ ID NOS: 472

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 471

; LENGTH: 812

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-352-616A-471

Query Match 35.3%; Score 720; DB 4; Length 812;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 720; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 322
Db 720 GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 661
QY 323 AGATTAATTAACATCTAGTAAGACAGACATTAATTAATGTTAGTGTGACATGT 382
Db 660 AGATTAATTAACATCTAGTAAGACAGACATTAATTAATGTTAGTGTGACATGT 601
QY 383 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGAAACACAAAAAGAACAC 442
Db 600 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGAAACACAAAAAGAACAC 541
QY 443 AGAGATTCCTGGGAGAAATGCGCCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTGT 502
Db 540 AGAGATTCCTGGGAGAAATGCGCCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTGT 481
QY 503 GCTGTGCTCCGCTTGTGAGGAGAGACATTTAGAAAATGAATGATGTTCTTCTTAAAGA 562
Db 480 GCTGTGCTCCGCTTGTGAGGAGAGACATTTAGAAAATGAATGATGTTCTTCTTAAAGA 421
QY 563 TGGCGAGAAAAACAGATCTGTGTGATATTTTGAACGGGATTAACAGATTTGAAT 622
Db 420 TGGCGAGAAAAACAGATCTGTGTGATATTTTGAACGGGATTAACAGATTTGAAT 361

QY 623 GAAGTCACAAAGTGCATTTACCAATGAGAGGAAAAACAGACGAGAAATCTTGATGGCTT 682
Db 360 GAAGTCACAAAGTGCATTTACCAATGAGAGGAAAAACAGACGAGAAATCTTGATGGCTT 301
QY 683 CACAAGACATGCACAAACAAATGGAATGACTGTATACATGAGGCGACCAAGCTGGGG 742
Db 300 CACAAGACATGCACAAACAAATGGAATGACTGTATACATGAGGCGACCAAGCTGGGG 241
QY 743 AGAGATTAACCAAGGAGGAGAGGCTGAGATTTGGCCCTGCTGCTTAACCTGTGCTTC 802
Db 240 AGAGATTAACCAAGGAGGAGGCTGAGATTTGGCCCTGCTGCTTAACCTGTGCTTC 181
QY 803 ATAACCAATATCTTCAATTTCTTAACCTGCAACCAAGCTGTTGTAATATCTGATCTC 862
Db 180 ATAACCAATATCTTCAATTTCTTAACCTGCAACCAAGCTGTTGTAATATCTGATCTC 121
QY 863 TACGGTTCCTTGTGGGCCCAACATTTCTCATATATCCAGCCACTCTTTTAAATTT 922
Db 120 TACGGTTCCTTGTGGGCCCAACATTTCTCATATATCCAGCCACTCTTTTAAATTT 61
QY 923 AGTTCACGATCTGTACTGTGACCTTTCTACACTGTAGAATTAACATTTCTGTTTC 982
Db 60 AGTTCACGATCTGTACTGTGACCTTTCTACACTGTAGAATTAACATTTCTGTTTC 1

RESULT 9

US-09-439-313-313

; Sequence 313, Application US/09439313

; Patent No. 6329505

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang Yugu

; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael

; APPLICANT: Fanger, Gary

; APPLICANT: Retter, Mark

; APPLICANT: Solk, John

; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/439,313

; NUMBER OF SEQ ID NOS: 575

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 313

; LENGTH: 718

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc.feature

; LOCATION: (1)-(718)

; OTHER INFORMATION: n = A,T,C or G

US-09-439-313-313

Query Match 9.9%; Score 201; DB 4; Length 718;

Best Local Similarity 99.3%; Pred. No. 6,1e-86;

Matches 301; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 263 GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 322
Db 73 GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 132
QY 323 AGATTAATTAACATCTAGTAAGACAGACATTAATTAATGTTAGTGTGACATGT 382
Db 133 AGATTAATTAACATCTAGTAAGACAGACATTAATTAATGTTAGTGTGACATGT 192
QY 383 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGAAACACAAAAAGAACAC 442
Db 192 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGAAACACAAAAAGAACAC 442

Db	193	TTTTCACATTTCCAGCCCTTTTAAATATCCACACAGAGAAACACAAAAGAAACAC	252
QY	443	AGAGATCCCTGGAGAAATGCCCGCCGCATCTTGGGTATCGATAGCCTGCCTGT	502
Db	253	AGAGATCCCTGGAGAAATGCCCGCCGCATCTTGGGTATCGATAGCCTGCCTGT	312
QY	503	GCGTGTCCCGCTTGNAGAGGAAGACATTGAAAAATGAATGATGTCTTAAAGGA	562
Db	313	GCGTGTCCCGCTTGNAGAGGAAGACATTGAAAAATGAATGATGTCTTAAAGGA	372
QY	563	TGG TGG	565
Db	373	TGG TGG	375

```

RESULT 10
US-09-352-616A-313
: Sequence 313, Application US/09352616A
: Patent No. 6395278
: GENERAL INFORMATION:
: APPLICANT: Dillion, Davin C.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Xu, Jiangchun
: APPLICANT: Mitcham, Jennifer Lynn
: TITLE OR INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: FILE REFERENCE: 210121.42708
: CURRENT APPLICATION NUMBER: US/09/352,616A
: CURRENT FILING DATE: 1999-07-13
: NUMBER OF SEQ. ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 313
: LENGTH: 718
: TYPE: DNA
: ORGANISM: Homo sapien
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(718)
: OTHER INFORMATION: n = A,T,C or G
: US-09-352-616A-313

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Query Match	9.98;	Score 201;	DB 4;	Length 718;
Best Local Similarity	99.38;	Pred. No. 6.1e-88;		
Matches 301; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0

QY	26	GGGGAACAATTAAGAAAGCTGCTGACTTTTACCATCTGAGGCCACACACTTGTCTGAATG	322
Db	73	GGGGAACAATTAAGAAAGCTGCTGACTTTTACCATCTGAGGCCACACACTTGTCTGAATG	132
QY	323	AGATTAATTACACTCTGAGGAAACGCAAGATGACAAATTAATGCTTAAGTAGACATGT	382
Db	133	AGATTAATTACACTCTGAGGAAACGCAAGATGACAAATTAATGCTTAAGTAGACATGT	192
QY	383	TTTTGCACATTTCCAGCCCTTTTAATATCCACACACAGAGAAAGCACAAGAAAGAGCAC	442
Db	193	TTTTGCACATTTCCAGCCCTTTTAATATCCACACACAGAGAAAGCACAAGAAAGAGCAC	252
QY	443	AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTATCGATAGCCTTGCCCTGT	502
Db	253	AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTATCGATAGCCTTGCCCTGT	312
QY	503	GGCTGGTCCCGCTTGTGAGGGAAGACATTAAGAAATGAATGTATGTCTCTTAAGGA	562
Db	313	GGCTGGTCCCGCTTGTGAGGGAAGACATTAAGAAATGAATGTATGTCTCTTAAGGA	372
QY	563	TGG TGG	
Db	373	TGG TGG	

RESULT 11
US-09-232-149A-313

```

Sequence 313, Application US/092323149A
Patent No. 6465611
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C6
CURRENT APPLICATION NUMBER: US/09/232,149A
CURRENT FILING DATE: 1999-01-15
NUMBER OF SEQ ID NOS: 338
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 313
LENGTH: 718
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(718)
OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-313

Query Match          9.9%;      Score 201;  DB 4;  Length 718;
Best Local Similarity 99.3%;    Pred. No. 6,1e+88;
Matches 301;  Conservative 0;  Mismatches 2;  Indels 0;  Gaps 0

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Query Match	9.9%	Score 201	DB 4	Length 718
Best Local Similarity	99.3%	Pred. No. 6	1e-88	
Matches 301	Conservative 0	Mismatches 2	Indels 0	Gaps 0
QY	263	GGTGAGAAATTAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG	322	
Db	73	GGTGAGAAATTAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG	132	
QY	323	AGATAATTACATCACTTGAAGAACGACGATGACATTTAATGTTAACTAGTGACATGT	382	
Db	133	AGATAATTACATCACTTGAAGAACGACGATGACATTTAATGTTAACTAGTGACATGT	192	
QY	383	TTTTGCACATTTCCAGCCCTTTTAAATPCTCCACACACAGGAAACACAAAAAGAAAGC	442	
Db	193	TTTTGCACATTTCCAGCCCTTTTAAATPCTCCACACACAGGAAACACAAAAAGAAAGC	252	
QY	443	AGAGATCCCTGGGAGAAATGCCGCGCCCACTCTTGGGTCAATGCATGAGCTCGGCCCTGT	502	
Db	253	AGAGATCCCTGGGAGAAATGCCGCGCCCACTCTTGGGTCAATGCATGAGCTCGGCCCTGT	312	
QY	503	GCCCTGGTCGCCCTTGTGAGGGAAGGACATTGAAAATGAAATGATGTCTTCTTAAAGGA	562	
Db	313	GCCCTGGTCGCCCTTGTGAGGGAAGGACATTGAAAATGAAATGATGTCTTCTTAAAGGA	372	
QY	563	TGG 565		
Db	373	TGG 375		

RESULT 12
US-09-439-313-287/C
Sequence 287, Application US/09439313
Patent No. 6329505
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang Yugu
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITL OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.42709
CURRENT APPLICATION NUMBER: US/09/439, 313
CURRENT FILING DATE: 1999-11-12

Query Match	8.8%	Score 179;	DB 4;	Length 301;
Best Local Similarity	99.68%;	Pred. No. 3e-77;		
Matches 229;	Conservative	0;	Mismatches 1;	Indels 0; Gaps 0

QY	637	AGCATTTACCATGAGAGGAAAAACAGACAGAAATCTTGATGGCTTCAACAGACATGCAA	696
Db	301	AGCATTTACCATGAGAGGAAAAACAGACAGAAATCTTGATGGCTTCAACAGACATGCAA	242
QY	697	CAACCAAAATGGAATACTCTGTGATGACATGAGAGCACCACAAAGCTGGGGAGAGATTAACACAG	756
Db	241	CAACCAAAATGGAATACTCTGTGATGATTAACATGAGAGCACCACAAAGCTGGGGAGAGATTAACACAG	182
QY	757	GGGAGAGAGGTACAGGATTTCTGGCCCTGGCTGCTTAACATGTCGTTTCATTAACCAAAATCATTT	816
Db	181	GGGAGAGAGGTACAGGATTTCTGGCCCTGGCTGCTTAACATGTCGTTTCATTAACCAAAATCATTT	122
QY	817	TCATATTTCTTAACCTCAAAAACAAAGCTGTTGTATATCTGATCTCTACG	866
Db	121	TCATATTTCTTAACCTCAAAAACAAAGCTGTTGTATATCTGATCTCTACG	72

RESULT 15
US-09-620-312D-791
Sequence 791, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yungqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinphast
APPLICANT: Dmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21

```
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL-genes Version 1.0
; SEQ ID NO 791
; LENGTH: 1379
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (109)..(789)
US-09-620-312D-791
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Query Match 1.3%; Score 26; DB 4; Length 1379;
Best Local Similarity 100.0%; Pred. No. 0.0065;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1142 TCACATCATCCGTCAGTCTTTGCC 1167
DB 335 TCACATCATCCGTCAGTCTTTGCC 360
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RESULT 16

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US-09-620-312D-788
; Sequence 788, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Felyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Mehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL-genes Version 1.0
; SEQ ID NO 788
; LENGTH: 1462
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (109)..(915)
US-09-620-312D-788
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Query Match 1.3%; Score 26; DB 4; Length 1462;
Best Local Similarity 100.0%; Pred. No. 0.0065;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1142 TCACATCATCCGTCAGTCTTTGCC 1167
DB 335 TCACATCATCCGTCAGTCTTTGCC 360
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RESULT 17

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US-09-620-312D-789
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; Sequence 789, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Felyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Mehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL-genes Version 1.0
; SEQ ID NO 789
; LENGTH: 1519
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (109)..(972)
US-09-620-312D-789
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Query Match 1.3%; Score 26; DB 4; Length 1519;
Best Local Similarity 100.0%; Pred. No. 0.0065;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1142 TCACATCATCCGTCAGTCTTTGCC 1167
DB 392 TCACATCATCCGTCAGTCTTTGCC 417
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RESULT 18
US-08-916-421B-1
; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
; APPLICANT: Bull et al.
; TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methano
; Patent No. 6503729
; FILE REFERENCE: PB275
; CURRENT APPLICATION NUMBER: US/08/916,421B
; CURRENT FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/024,428
; PRIOR FILING DATE: 1996-08-22
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1664976
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (28222)..(28222)
; OTHER INFORMATION: n equals a, t, c, or g
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NAME/KEY: misc_feature
LOCATION: (28257)..(28258)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84773)..(84773)
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LOCATION: (84808)..(84808)
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NAME/KEY: misc_feature
LOCATION: (84812)..(84812)
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NAME/KEY: misc_feature
LOCATION: (163385)..(163385)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191989)..(191989)
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NAME/KEY: misc_feature
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234187)..(234187)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234220)..(234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234814)..(234814)
OTHER INFORMATION: n equals a, t, c, or g
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LOCATION: (309398)..(309398)
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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LOCATION: (713652)..(713652)
OTHER INFORMATION: n equals a, t, c, or g
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1130881)..(1130881)
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NAME/KEY: misc_feature
LOCATION: (1310988)..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1313224)..(1313224)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349491)..(1349491)
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NAME/KEY: misc_feature
LOCATION: (1470091)..(1470091)
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NAME/KEY: misc_feature
LOCATION: (1569020)..(1569020)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1602912)..(1602912)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1603734)..(1603734)
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1637998)..(1637998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1664854)..(1664855)
OTHER INFORMATION: n equals a, t, c, or g
US-08-916-421B-1

Query Match 1.0%; Score 20; DB 4; Length 1664976;
Best Local Similarity 100.0%; Pred. No. 4.8;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 CACTCATTTTAAATTTAG 924
DB 1520938 CACTCATTTTAAATTTAG 1520957

RESULT 19
US-08-450-834-3/C
Sequence 3, Application US/08450834
Patent No. 5773705
GENERAL INFORMATION:
APPLICANT: Vierstra, Richard D
APPLICANT: Hondred, David
APPLICANT: Callis, Judy
TITLE OF INVENTION: Ubiquitin Fusion Protein System for
TITLE OF INVENTION: Protein Production in Plants
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Charles & Brady
STREET: P.O. Box 2113
CITY: Madison
STATE: WI
COUNTRY: USA
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,834
FILING DATE: 25-MAY-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/999,709
FILING DATE: 31-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296,92425
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 161 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: CBO-BT
FEATURE:
NAME/KEY: misc_feature
LOCATION: 4..9
OTHER INFORMATION: /function="Hind III restriction
FEATURE:
NAME/KEY: misc_feature

LOCATION: 47..52
OTHER INFORMATION: /function="Bgl II restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 58..64
OTHER INFORMATION: /product="Eae I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 110..116
OTHER INFORMATION: /function="Sac II restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 146..152
OTHER INFORMATION: /function="Nsi I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 153..158
OTHER INFORMATION: /function="Sal I restriction site"
US-08-450-834-3

Query Match 0.9%; Score 19; DB 1; Length 161;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 59 AGGAGATCTGCATGCTGG 77
DB 56 AGGAGATCTGCATGCTGG 38

RESULT 20
US-09-107-532A-2263/C
Sequence 2263, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Arinello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 2263:
SEQUENCE CHARACTERISTICS:
LENGTH: 948 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc.feature
LOCATION: (B) LOCATION 1...948
SEQUENCE DESCRIPTION: SEQ ID NO: 2263
US-09-107-532a-2263

Query Match 0.9%; Score 19; DB 4; Length 948;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 126 CAATGAACACCAAGATAA 144
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DB 538 CAATGAACACCAAGATAA 520

RESULT 21
US-09-791-211-10
Sequence 10, Application US/09791211
Patent No. 6448080
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
TITLE OF INVENTION: ANTISENSE MODULATION OF WRN EXPRESSION
FILE REFERENCE: RTS-0205
CURRENT APPLICATION NUMBER: US/09/791,211
CURRENT FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 10
LENGTH: 98844
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: unsure
LOCATION: 24962
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 64383
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65468
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65469
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65470
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65471
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 87130
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 89049
OTHER INFORMATION: unknown
OTHER INFORMATION: unknown
US-09-791-211-10

Query Match 0.9%; Score 19; DB 4; Length 98844;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1951 GTTGTCTCTGTACTTAAT 1969
|||||
DB 61321 GTTGTCTCTGTACTTAAT 61339

RESULT 22
US-09-599-360B-59
Sequence 59, Application US/09599360B
Patent No. 6548633
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Bougueterelet, L.
TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
FILE REFERENCE: GENSET.050CP3
CURRENT APPLICATION NUMBER: US/09/599,360B
CURRENT FILING DATE: 2000-06-21
PRIOR APPLICATION NUMBER: 60/113,686
PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: 60/141,032
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: 09/469,099
PRIOR FILING DATE: 1999-12-21
NUMBER OF SEQ ID NOS: 123
SOFTWARE: Patent.pm
SEQ ID NO 59
LENGTH: 1324
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 129..452
NAME/KEY: sig_peptide
LOCATION: 129..212
OTHER INFORMATION: Von Heijne matrix
OTHER INFORMATION: score 5.20
OTHER INFORMATION: seq LDIIVSFVGVASS/ST
NAME/KEY: polyA_signal
LOCATION: 1290..1295
NAME/KEY: polyA_site
LOCATION: 1309..1324
NAME/KEY: misc.feature
LOCATION: 888,1080
OTHER INFORMATION: n=a, g, c or t
US-09-599-360B-59

Query Match 0.9%; Score 18; DB 4; Length 1324;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 115 ACTAGTGTTCATGAA 132
|||||
DB 1092 ACTAGTGTTCATGAA 1109

RESULT 23
US-08-102-863-10/c
Sequence 10, Application US/08102863
Patent No. 5465590
GENERAL INFORMATION:
APPLICANT: SARISLANI, SIMA
TITLE OF INVENTION: CONSTITUTIVE
TITLE OF INVENTION: EXPRESSION OF P450SOY
TITLE OF INVENTION: AND FERREDOXIN-SOY IN
TITLE OF INVENTION: STREPTOMYCES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. DU PONT DE NEMOURS
ADDRESSEE: AND COMPANY
STREET: 1007 MARKET STREET
CITY: WILMINGTON
STATE: DELAWARE
COUNTRY: USA
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0,
SOFTWARE: Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/102,863
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/807,001
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: GALLEGOS, R. THOMAS
REGISTRATION NUMBER: 32,692
REFERENCE/DOCKET NUMBER: CR-9000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 302-892-7342
TELEFAX: 302-892-7949
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 1735 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-102-863-10

Query Match 0.9%; Score 18; DB 1; Length 1735;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 193 GATCACCATCGACGGCAC 210
Db 681 GATCACCATCGACGGCAC 664

RESULT 24

PCT-US92-10885-10/c
Sequence 10, Application PC/TUS9210885
GENERAL INFORMATION:
APPLICANT: SARIASLANI, SIMA
TITLE OF INVENTION: CONSTITUTIVE
TITLE OF INVENTION: EXPRESSION OF P450SOX
TITLE OF INVENTION: AND PEREDOXIN-SOT IN
TITLE OF INVENTION: STREPTOMYCINS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. DU PONT DE NEMOURS
ADDRESSEE: AND COMPANY
STREET: 1007 MARKET STREET
CITY: WILMINGTON
STATE: DELAWARE
COUNTRY: USA
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch,
MEDIUM TYPE: 1.0 MB
COMPUTER: Macintosh
OPERATING SYSTEM: Macintosh System, 6.0
SOFTWARE: Microsoft Word, 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/10885
FILING DATE: 19921216
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: GALLEGOS, R. THOMAS
REGISTRATION NUMBER: 32,692
REFERENCE/DOCKET NUMBER: CR-9000-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 302-892-7342
TELEFAX: 302-892-7949
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 1735 base pairs
TYPE: NUCLEIC ACID

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
PCT-US92-10885-10

Query Match 0.9%; Score 18; DB 5; Length 1735;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 193 GATCACCATCGACGGCAC 210
Db 681 GATCACCATCGACGGCAC 664

RESULT 25

US-08-663-112-1/c
Sequence 1, Application US/08663112
Patent No. 5849503
GENERAL INFORMATION:
APPLICANT: WAGATSUMA, Masako
TITLE OF INVENTION: MUTANT PROTEINS OF HUMAN DNA
TITLE OF INVENTION: TOPOISOMERASE I
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Dunner L.L.P.
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/663,112
FILING DATE: 26-NOV-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elinaudi, Carolyn P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 06609.1488-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3645 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
FEATURE:
NAME/KEY: CDS
LOCATION: 212..2506
OTHER INFORMATION: /label= Ffmutant
US-08-663-112-1

Query Match 0.9%; Score 18; DB 2; Length 3645;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1139 TAATCAACATCATCTCA 1156
Db 651 TAATCAACATCATCTCA 634

RESULT 26
US-08-944-449-8
Sequence 8, Application US/08944449

Patent No. 5985613
GENERAL INFORMATION:
APPLICANT: KURTH, REINHARD
APPLICANT: BAIER, MICHAEL
APPLICANT: METZNER, KARIN
APPLICANT: WERNER, ALBRECHT
TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of
FILE OF INVENTION: viruses, particularly of retroviruses
FILE REFERENCE: 8341-7065
CURRENT APPLICATION NUMBER: US/08/944,449
CURRENT FILING DATE: 1997-10-06
EARLIER APPLICATION NUMBER: EP 95113013.2
EARLIER FILING DATE: 1995-08-18
EARLIER APPLICATION NUMBER: DE 195 13 152.5
EARLIER FILING DATE: 1995-04-07
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 8
LENGTH: 4527
TYPE: DNA
ORGANISM: Human immunodeficiency virus type 1
US-08-944-449-8

Query Match 0.9%; Score 18; DB 2; Length 4527;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 CGAGGAGACCAGGAGAGA 65
|||||
Db 489 CGAGGAGACCAGGAGAGA 506

RESULT 27
US-09-353-362-8
Sequence 8, Application US/09353362
Patent No. 6383739
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of viruses,
FILE OF INVENTION: in particular of retroviruses
NUMBER OF SEQUENCES: 8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30B (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/353,362
FILING DATE: 15-JUL-1999
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 195 13 152.5
FILING DATE: 07-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95113013.2
FILING DATE: 18-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: KLESNER, Sharon N.
REGISTRATION NUMBER: 36,335
REFERENCE/DOCKET NUMBER: P8341-9012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 638-5000
TELEFAX: (202) 638-4810
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 4527 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

US-09-353-362-8

Query Match 0.9%; Score 18; DB 4; Length 4527;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 CGAGGAGACCAGGAGAGA 65
|||||
Db 489 CGAGGAGACCAGGAGAGA 506

RESULT 28
US-09-077-098A-1
Sequence 1, Application US/09077098A
Patent No. 6544519
GENERAL INFORMATION:
APPLICANT: TOKUNAGA, Ei-ji
SAKAGUCHI, Masashi
MATSUO, Kazuo
HAMADA, Fukuaburo
TOKITOSHI, Sachio
TITLE OF INVENTION: NOVEL POLYPEPTIDE FROM HAEMOPHILUS
PARAGALLINARUM AND PROCESS FOR PREPARING THE SAME
CORRESPONDENCE ADDRESS:
ADDRESS: BROMDY AND NEIMARK
STREET: 624 Ninth Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077,098A
FILING DATE: 19-May-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP97/03222
FILING DATE: 12-SEP-1997
APPLICATION NUMBER: JP 27,148/1996
FILING DATE: 19-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: KORNBAU, Anne M.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: TOKUNAGA-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8930 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
ORIGINAL SOURCE:
FEATURE:
NAME/KEY: CDS
LOCATION: 8374..8929
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-077-098A-1

Query Match 0.9%; Score 18; DB 4; Length 8930;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 904 ACACTCATTTTAAATAT 921
|||||
Db 207 ACACTCATTTTAAATAT 224

```
RESULT 29
US-09-679-299A-18/c
; Sequence 18, Application US/09679299A
; Patent No. 6566135
; GENERAL INFORMATION:
; APPLICANT: Vickie L. Brown-Driver
; APPLICANT: Hong Zhang
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 6 EXPRESSION
; FILE REFERENCE: RTS-0187
; CURRENT APPLICATION NUMBER: US/09/679,299A
; CURRENT FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 164
; SEQ ID NO 18
; LENGTH: 17000
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-299A-18

Query Match
Best Local Similarity 100.0%; Score 18; DB 4; Length 17000;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 604 GGGATTACAGATTGAAA 621
DB 9511 GGGATTACAGATTGAAA 9494

RESULT 30
US-09-268-992-7/c
; Sequence 7, Application US/09268992
; Patent No. 6342351
; GENERAL INFORMATION:
; APPLICANT: Chen, H.
; APPLICANT: Freimer, N.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; FILE REFERENCE: 7853-138
; CURRENT APPLICATION NUMBER: US/09/268,992
; CURRENT FILING DATE: 1999-03-16
; EARLIER APPLICATION NUMBER: 09/236,134
; EARLIER FILING DATE: 1999-01-22
; EARLIER APPLICATION NUMBER: 60/106,056
; EARLIER FILING DATE: 1998-10-28
; EARLIER APPLICATION NUMBER: 60/088,312
; EARLIER FILING DATE: 1998-06-05
; EARLIER APPLICATION NUMBER: 60/078,044
; EARLIER FILING DATE: 1998-03-16
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 72604
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: all n positions
; OTHER INFORMATION: n-a, c, g, or t
US-09-268-992-7

Query Match
Best Local Similarity 100.0%; Score 18; DB 4; Length 72604;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1863 CCCAAGGTACCTTTAT 1880
DB 54428 CCCAAGGTACCTTTAT 54411

RESULT 31
US-09-657-474-7/c
; Sequence 7, Application US/09657474
```

```
; Patent No. 6399762
; GENERAL INFORMATION:
; APPLICANT: Chen, H.
; APPLICANT: Freimer, N.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; FILE REFERENCE: 7853-138
; CURRENT APPLICATION NUMBER: US/09/657,474
; CURRENT FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 09/268,992
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: 09/236,134
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 60/106,056
; PRIOR FILING DATE: 1998-10-28
; PRIOR APPLICATION NUMBER: 60/088,312
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/078,044
; PRIOR FILING DATE: 1998-03-16
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 72604
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: all n positions
; OTHER INFORMATION: n-a, c, g, or t
US-09-657-474-7

Query Match
Best Local Similarity 100.0%; Score 18; DB 4; Length 72604;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1863 CCCAAGGTACCTTTAT 1880
DB 54428 CCCAAGGTACCTTTAT 54411

RESULT 32
US-09-798-096-10/c
; Sequence 10, Application US/09798096
; Patent No. 6399378
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF RECOL2 EXPRESSION
; FILE REFERENCE: RTS-0207
; CURRENT APPLICATION NUMBER: US/09/798,096
; CURRENT FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 10
; LENGTH: 99500
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: n-a, c, g, or t
US-09-798-096-10

Query Match
Best Local Similarity 100.0%; Score 18; DB 4; Length 99500;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1716 AGAGGAATGTTATGGG 1733
DB 65771 AGAGGAATGTTATGGG 65754

RESULT 33
US-08-392-678-11
; Sequence 11, Application US/08392678
; Patent No. 5552281
; GENERAL INFORMATION:
```



```

:
: APPLICANT: Stashenko, Phillip
: APPLICANT: Li, Yi-Ping
: APPLICANT: Mucherfienig, Anne L.
: TITLE OF INVENTION: HUMAN OSTEOCLAST-SPECIFIC AND
: TITLE OF INVENTION: -RELATED GENES
: NUMBER OF SEQUENCES: 34
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
: STREET: Two Militia Drive
: CITY: Lexington
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02173
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/392,678
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/045,270
: FILING DATE: 06 APR 1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Granahan, Patricia
: REGISTRATION NUMBER: 32,227
: REFERENCE/DOCKET NUMBER: FDC92-02
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 861-6240
: TELEFAX: (617) 861-9540
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 157 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-08-392-678-11
:
: Query Match 0.8%; Score 17; DB 1; Length 157;
: Best Local Similarity 100.0%; Pred. No. 1.6e+02;
: Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
:
: Oy 1240 GATTAACTTTT TTTT 1256
: Db 118 GATTAACTTTT TTTT 134
:
: RESULT 34
: US-08-457-304A-11
: Sequence 11, Application US/08457304A
: Patent No. 5624801
: GENERAL INFORMATION:
: APPLICANT: Stashenko, Phillip
: APPLICANT: Li, Yi-Ping
: APPLICANT: Mucherfienig, Anne L.
: TITLE OF INVENTION: METHODS OF IDENTIFYING HUMAN OSTEOCLAST-SPECIFIC
: TITLE OF INVENTION: AND -RELATED GENES (as amended)
: NUMBER OF SEQUENCES: 34
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
: STREET: Two Militia Drive
: CITY: Lexington
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02173
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/456,701A
: FILING DATE: 01 JUN-1995
: CLASSIFICATION: 530
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/392,678
: FILING DATE: 23-FEB-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Granahan, Patricia
: REGISTRATION NUMBER: 32,227
: REFERENCE/DOCKET NUMBER: FDC92-02FZ
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 861-6240
: TELEFAX: (617) 861-9540
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
```

```

:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/457,304A
: FILING DATE: 01-JUNE-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/392,678
: FILING DATE: 23-FEB-1995
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/045,270
: FILING DATE: 06-APR-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Granahan, Patricia
: REGISTRATION NUMBER: 32,227
: REFERENCE/DOCKET NUMBER: FDC92-02FZ
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 861-6240
: TELEFAX: (617) 861-9540
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 157 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-08-457-304A-11
:
: Query Match 0.8%; Score 17; DB 1; Length 157;
: Best Local Similarity 100.0%; Pred. No. 1.6e+02;
: Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
:
: Oy 1240 GATTAACTTTT TTTT 1256
: Db 118 GATTAACTTTT TTTT 134
:
: RESULT 35
: US-08-456-701A-11
: Sequence 11, Application US/08456701A
: Patent No. 5656728
: GENERAL INFORMATION:
: APPLICANT: Stashenko, Phillip
: APPLICANT: Li, Yi-Ping
: APPLICANT: Mucherfienig, Anne L.
: TITLE OF INVENTION: HUMAN OSTEOCLAST-SPECIFIC AND -RELATED GENES
: NUMBER OF SEQUENCES: 34
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
: STREET: Two Militia Drive
: CITY: Lexington
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02173
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/456,701A
: FILING DATE: 01-JUN-1995
: CLASSIFICATION: 530
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/392,678
: FILING DATE: 23-FEB-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Granahan, Patricia
: REGISTRATION NUMBER: 32,227
: REFERENCE/DOCKET NUMBER: FDC92-02FZ
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 861-6240
: TELEFAX: (617) 861-9540
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
```

```

; LENGTH: 157 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-456-701a-11

```

```

Query Match          0.8%; Score 17; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1240 GATTACTTTTGTGTTT 1256
      118 GATTACTTTTGTGTTT 134
DB

```

```

RESULT 36
US-08-684-932A-11
; Sequence 11, Application US/08684932A
; Patent No. 6403304
; GENERAL INFORMATION:
; APPLICANT: Stashenko, Philip
; APPLICANT: Li, Yi-Ping
; TITLE OF INVENTION: HUMAN OSTEOCLAST-SPECIFIC AND -RELATED
; TITLE OF INVENTION: DNA SEQUENCES
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/684,932A
; FILING DATE: 19-JUL-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: FDC92-02FM
; TELEPHONE: (617) 861-6240
; TELEFAX: (617) 861-9540
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 157 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-684-932A-11

```

```

Query Match          0.8%; Score 17; DB 4; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1240 GATTACTTTTGTGTTT 1256
      118 GATTACTTTTGTGTTT 134
DB

```

```

RESULT 37
US-09-328-352-2225/C
; Sequence 2225, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:

```

```

; APPLICANT: Gary L. Bretton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2225
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-2225

```

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Query Match          0.8%; Score 17; DB 4; Length 426;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1181 ATTTCCACCTTTGTGTC 1197
      263 ATTTCCACCTTTGTGTC 247
DB

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RESULT 38
US-09-364-206-25
; Sequence 25, Application US/09364206
; Patent No. 6475752
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Tang, Y. Tom
; APPLICANT: Baugh, Mariah R.
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: Mammalian Imidazoline Receptor
; FILE REFERENCE: PC-0006 US
; CURRENT APPLICATION NUMBER: US/09/364,206
; CURRENT FILING DATE: 1999-07-30
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 461,517,526,535,536,561
; OTHER INFORMATION: a or g or c or t, unknown, or other
; FEATURE:
; NAME/KEY:
; OTHER INFORMATION: 1886951F6
; PUBLICATION INFORMATION:
US-09-364-206-25

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Query Match          0.8%; Score 17; DB 4; Length 590;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      6 CTGCATCAGAAAAACA 22
      118 CTGCATCAGAAAAACA 134
DB

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RESULT 39
US-08-454-115-1/C
; Sequence 1, Application US/08454115
; Patent No. 5866782
; GENERAL INFORMATION:
; APPLICANT: MATI IWABUCHI et al.
; TITLE OF INVENTION: A GENE WHICH DETERMINES CYTOPLASMIC
; TITLE OF INVENTION: STERILITY AND A METHOD OF PRODUCING HYBRID PLANTS USING SAI
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington

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STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/454,115
FILING DATE: July 12, 1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX:
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 659 bases
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
ORIGINAL SOURCE:
ORGANISM: Rhabdus sativus
STRAIN: Kosena radish
ORGANELLE: mitochondria
US-08-454-115-1

Query Match 0.8%; Score 17; DB 2; Length 659;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1166 CCCATCTGTAATTCAT 1182
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DB 365 CCCATCTGTAATTCAT 349

RESULT 40
US-08-450-834-5/c
Sequence 5, Application US/08450834
Patent No. 5773705
GENERAL INFORMATION:
APPLICANT: Vierstra, Richard D
APPLICANT: Hondred, David
TITLE OF INVENTION: Ubiquitin Fusion Protein System for
TITLE OF INVENTION: Protein Production in Plants
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESS: Quarles & Brady
STREET: P.O. Box 2113
CITY: Madison
STATE: WI
COUNTRY: USA
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,834
FILING DATE: 25-MAY-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/999,709
FILING DATE: 31-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296.92425
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 831 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: 35S/AMV/UBQ11/UBQ-GUS
FEATURE:
NAME/KEY: CDS
LOCATION: 503..730
FEATURE:
NAME/KEY: promoter
LOCATION: 1..502
FEATURE:
NAME/KEY: misc-feature
LOCATION: 1..6
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FEATURE:
NAME/KEY: misc-feature
LOCATION: 7..12
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LOCATION: 13..18
OTHER INFORMATION: /function= "Kpn I restriction site"
FEATURE:
NAME/KEY: misc-feature
LOCATION: 18..24
OTHER INFORMATION: /function= "Apa I restriction site"
FEATURE:
NAME/KEY: misc-feature
LOCATION: 464..469
OTHER INFORMATION: /function= "Hind III restriction
FEATURE:
NAME/KEY: misc-feature
LOCATION: 720..726
OTHER INFORMATION: /function= "Sac II restriction
FEATURE:
NAME/KEY: misc-feature
LOCATION: 819..825
OTHER INFORMATION: /function= "Bcl I restriction site"
FEATURE:
NAME/KEY: misc-feature
LOCATION: 826..831
OTHER INFORMATION: /function= "Xba I restriction site"
US-08-450-834-5

Query Match 0.8%; Score 17; DB 1; Length 831;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 61 GAAGATCTGCATGCTGG 77
|||||
DB 514 GAAGATCTGCATGCTGG 498

RESULT 41

US-09-134-001C-982
; Sequence 982, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/035,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 982
; LENGTH: 981
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-982

Query Match 0.8%; Score 17; DB 4; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1964 GTTATTGAAAGAAATA 1980
DB 615 GTTATTGAAAGAAATA 631

RESULT 42
US-09-328-475C-104/C
; Sequence 104, Application US/09328475C
; Patent No. 6476207
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jimmy
; APPLICANT: Astel, Jon H.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Endege, Wilson O.
; APPLICANT: Ford, Donna M.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; APPLICANT: Steinmann, Kathleen E.
; TITLE OF INVENTION: GENES AND GENE EXPRESSION PRODUCTS THAT
; FILE REFERENCE: 1532.002/200130.463
; CURRENT FILING DATE: 1999-06-09
; NUMBER OF SEQ ID NOS: 341
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 104
; LENGTH: 1017
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1017)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-475C-104

Query Match 0.8%; Score 17; DB 4; Length 1017;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 701 CAAATGGAATGCTGTG 717
DB 170 CAAATGGAATGCTGTG 154

RESULT 43
US-08-454-115-4/C
; Sequence 4, Application US/08454115
; Patent No. 5866782

; GENERAL INFORMATION:
; APPLICANT: Mari IWABUCHI et al.
; TITLE OF INVENTION: A GENE WHICH DETERMINES CYTOPLASMIC
; TITLE OF INVENTION: STERILITY AND A METHOD OF PRODUCING HYBRID PLANTS USING SAI
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454,115
; FILING DATE: July 12, 1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1242 bases
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Brassica napus
; STRAIN: SW18
; ORGANELLE: mitochondria
US-08-454-115-4

Query Match 0.8%; Score 17; DB 2; Length 1242;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1166 CCCATCTGGAATTCAT 1182
DB 365 CCCATCTGGAATTCAT 349

RESULT 44
US-08-313-274-1/C
; Sequence 1, Application US/08313274
; Patent No. 5595902
; GENERAL INFORMATION:
; APPLICANT: BIDEN, Trevor J.
; APPLICANT: SELBIE, Lisa
; TITLE OF INVENTION: Protein Kinase C (Iota)
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg Ernst & Kurz
; STREET: Suite 701-E, 555 Thirteenth St., N.W
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,274
; FILING DATE: 02-DEC-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/AU92/00052
; FILING DATE: 04-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: WALKER, Barbara W.
; REGISTRATION NUMBER: 35,400
; REFERENCE/DOCKET NUMBER: 1871-111A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)783-6040
; TELEFAX: (202)783-6031
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2196 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 265..2025
; US-08-313-274-1

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Query Match          0.8%; Score 17; DB 1; Length 2196;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB      450 TATCCATTTCATGGTGA 434

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RESULT 45
US-09-228-986-1
; Sequence 1, Application US/09228986
; Patent No. 6359198
; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Nieuwenhuizen, Niels
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signalling
; FILE REFERENCE: 11000/1020
; CURRENT APPLICATION NUMBER: US/09/228,986
; CURRENT FILING DATE: 1999-01-12
; NUMBER OF SEQ ID NOS: 130
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 2389
; TYPE: DNA
; ORGANISM: Pinus radiata
; US-09-228-986-1

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Query Match          0.8%; Score 17; DB 4; Length 2389;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1261 TGAAGAATTCATGTT 1277
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DB      690 TGAAGAATTCATGTT 706

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

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Run on: September 29, 2003, 14:40:39 : Search time 40.5 Seconds
(without alignments)
555.816 Million cell updates/sec

Title: US-09-402-713a-2

Perfect score: 51

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Searched: 569978 seqs, 220691566 residues

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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5	51	100.0	2426	4	US-09-439-313-470
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7	51	100.0	3112	4	US-09-439-313-468
8	51	100.0	3112	4	US-09-352-616A-468
9	43	84.3	718	4	US-09-439-313-313
10	43	84.3	718	4	US-09-352-616A-313
11	43	84.3	718	4	US-09-232-149A-313
12	8	15.7	30001	1	US-08-125-468-1

13	8	15.7	30001	2	US-08-474-933-1	Sequence 1, Appl1
14	7	13.7	490	4	US-09-495-050A-219	Sequence 219, App
15	7	13.7	547	4	US-09-702-705-65	Sequence 65, Appl
16	7	13.7	547	4	US-09-736-457-65	Sequence 65, Appl
17	7	13.7	588	3	US-09-129-030-27	Sequence 27, Appl
18	7	13.7	745	4	US-09-581-001B-20	Sequence 20, Appl
19	7	13.7	1335	4	US-09-107-532A-298	Sequence 298, App
20	7	13.7	1376	2	US-08-868-288A-2	Sequence 2, Appl1
21	7	13.7	1376	3	US-09-235-373-2	Sequence 2, Appl1
22	7	13.7	1376	3	US-09-388-993-2	Sequence 2, Appl1
23	7	13.7	1467	3	US-09-252-991A-1331	Sequence 1331, Ap
24	7	13.7	1578	3	US-09-044-404A-1	Sequence 1, Appl1
25	7	13.7	1578	4	US-09-586-924-1	Sequence 1, Appl1
26	7	13.7	1621	4	US-09-996-243-147	Sequence 147, App
27	7	13.7	2163	4	US-09-328-352-639	Sequence 639, App
28	7	13.7	2268	4	US-09-620-312D-909	Sequence 909, App
29	7	13.7	2329	4	US-09-411-977-1	Sequence 1, Appl1
30	7	13.7	2437	1	US-07-795-859B-5	Sequence 5, Appl1
31	7	13.7	2437	1	US-08-457-616-5	Sequence 5, Appl1
32	7	13.7	2437	4	US-09-235-538-1	Sequence 1, Appl1
33	7	13.7	2538	4	US-09-252-981A-1285	Sequence 1285, Ap
34	7	13.7	2571	4	US-09-252-991A-1279	Sequence 1279, Ap
35	7	13.7	2600	1	US-08-147-949A-1	Sequence 1, Appl1
36	7	13.7	2798	4	US-09-484-970B-90	Sequence 90, Appl1
37	7	13.7	3023	4	US-09-203-453-4	Sequence 4, Appl1
38	7	13.7	3066	3	US-09-086-912-1	Sequence 1, Appl1
39	7	13.7	3066	4	US-09-203-453-1	Sequence 1, Appl1
40	7	13.7	3066	4	US-09-900-236-1	Sequence 255, App
41	7	13.7	3218	4	US-09-221-017B-255	Sequence 70, Appl
42	7	13.7	13188	4	US-08-961-527-10	Sequence 19, Appl
43	7	13.7	13188	4	US-09-215-654-19	Sequence 3, Appl1
44	7	13.7	13188	4	US-09-738-894A-3	Sequence 3, Appl1
45	7	13.7	36651	4	US-09-964-469-3	Sequence 11, Appl
46	7	13.7	36651	4	US-09-251-645-11	Sequence 2, Appl1
47	7	13.7	37948	3	US-09-918-666-2	Sequence 16, Appl
48	7	13.7	51719	4	US-09-918-666-1	Sequence 10, Appl
49	7	13.7	92139	4	US-09-128-155-17	Sequence 10, Appl
50	7	13.7	176373	3	US-08-877-177A-10	Sequence 1, Appl1
51	7	13.7	197496	4	US-08-916-821B-1	Sequence 1, Appl1
52	7	13.7	164996	4	US-09-557-884-1	Sequence 1, Appl1
53	7	13.7	1830121	4	US-09-643-990A-1	Sequence 1, Appl1
54	7	13.7	1830121	4	US-09-585-174-66	Sequence 66, Appl
55	6	11.8	22	4	US-08-564-109C-10	Sequence 24, Appl
56	6	11.8	41	3	US-08-746-257A-24	Sequence 8, Appl1
57	6	11.8	47	2	US-09-316-080-7	Sequence 4, Appl1
58	6	11.8	47	3	US-09-534-407-8	Sequence 4, Appl1
59	6	11.8	47	4	US-09-434-650-4	Sequence 4, Appl1
60	6	11.8	47	4	US-09-511-964-4	Sequence 9, Appl1
61	6	11.8	47	4	US-09-007-288E-99	Sequence 26, Appl
62	6	11.8	47	4	US-08-746-283-16	Sequence 545, App
63	6	11.8	47	4	US-08-171-389-545	Sequence 545, App
64	6	11.8	47	4	US-08-123-936-545	Sequence 545, App
65	6	11.8	50	1	US-08-475-228A-545	Sequence 545, App
66	6	11.8	50	3	US-08-482-080A-545	Sequence 545, App
67	6	11.8	50	4	US-09-354-947-545	Sequence 545, App
68	6	11.8	50	4	PCT-US93-1288B-545	Sequence 15, Appl
69	6	11.8	52	3	US-09-130-663-15	Sequence 15, Appl
70	6	11.8	52	3	US-09-432-335-15	Sequence 15, Appl
71	6	11.8	52	3	US-09-614-022-15	Sequence 15, Appl
72	6	11.8	65	3	US-08-434-001-181	Sequence 181, App
73	6	11.8	70	1	US-08-433-585-181	Sequence 181, App
74	6	11.8	70	1	US-08-434-425-181	Sequence 181, App
75	6	11.8	70	2	US-08-437-667-181	Sequence 181, App
76	6	11.8	70	3	US-08-906-995-181	Sequence 181, App
77	6	11.8	70	3	US-08-945-999-181	Sequence 181, App
78	6	11.8	70	4	US-09-396-002A-181	Sequence 181, App
79	6	11.8	70	5	PCT-US96-06060-181	Sequence 181, App
80	6	11.8	86	3	US-08-687-421-376	Sequence 376, App

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C 86 6 11.8 104 3 US-08-943-731-93 Sequence 93, Appl
C 87 6 11.8 117 4 US-09-313-294A-3997 Sequence 3997, Ap
88 6 11.8 147 3 US-09-130-663-16 Sequence 16, Appl
89 6 11.8 147 3 US-09-130-663-24 Sequence 24, Appl
90 6 11.8 147 3 US-09-432-335-16 Sequence 16, Appl
91 6 11.8 147 3 US-09-432-335-24 Sequence 16, Appl
92 6 11.8 147 4 US-09-614-022-16 Sequence 16, Appl
93 6 11.8 147 4 US-09-614-022-24 Sequence 16, Appl
94 6 11.8 155 1 US-08-650-275-7 Sequence 7, Appl
95 6 11.8 155 3 US-09-181-318-7 Sequence 7, Appl
96 6 11.8 158 3 US-08-943-731-13 Sequence 13, Appl
C 97 6 11.8 189 4 US-09-702-705-1608 Sequence 1608, Ap
C 98 6 11.8 189 4 US-09-736-457-1608 Sequence 1608, Ap
99 6 11.8 198 4 US-09-252-991A-4681 Sequence 4681, Ap
100 6 11.8 218 1 US-08-650-275-23 Sequence 23, Appl
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ALIGNMENTS

RESULT 1
US-09-439-313-471/c

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; Sequence 471, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-471
```

Alignment Scores:
Pred. No.: 1.59e-44 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-439-313-471 (1-812)

```
OY 1 MetPheLeuHisIleSerSerProPheIstYrProHisThrGlnGluAlaGlnIysGlu 20
DB 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAACAAAGGAA 545
OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 544 GCACAGAGATCCCTGGGAGAAATGCCCCGCCGCACTTGGGTCATCGATGAGCTCGCC 485
OY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
DB 484 CTGTGCGCTGCTCCCGCTTGTGAGGAGAAAGACAT 452
```

RESULT 2
US-09-352-616A-471/c
; Sequence 471, Application US/09352616A

```
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yugu
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-471
```

Alignment Scores:
Pred. No.: 1.59e-44 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-352-616A-471 (1-812)

```
OY 1 MetPheLeuHisIleSerSerProPheIstYrProHisThrGlnGluAlaGlnIysGlu 20
DB 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAACAAAGGAA 545
OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 544 GCACAGAGATCCCTGGGAGAAATGCCCCGCCGCACTTGGGTCATCGATGAGCTCGCC 485
OY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
DB 484 CTGTGCGCTGCTCCCGCTTGTGAGGAGAAAGACAT 452
```

RESULT 3
US-09-439-313-469/c
; Sequence 469, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:

```
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-469
```

Alignment Scores:
Pred. No.: 4.16e-44 Length: 2229


```
US-09-402-713a-2 (1-51) x US-09-352-616a-470 (1-2426)
QY      1 MetPheUHisIleSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
        |||
        1653 ATGTTTGGACATTTCCACCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 1594
QY      21 AlAGlnArgSerLeuGlyGluMetProGlyArgHisIleuGlySerMetSerLeuAla 40
        |||
        1593 GCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGTCATGATGAGCGCTCGCC 1534
QY      41 LeuCysLeuValProLeuValArgGluGlyHis 51
        |||
        1533 CTGTGCTGCTGCTCCCGCTTGTGAGGGAAGACAT 1501
RESULT 7
US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-468
Alignment Scores:
Pred. No.: 5,71e-44      Length: 3112
Score: 51.00      Matches: 51
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 100.00%      Indels: 0
Gaps: 0
DB: 4
US-09-402-713a-2 (1-51) x US-09-439-313-468 (1-3112)
QY      1 MetPheUHisIleSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
        |||
        1429 ATGTTTGGACATTTCCACCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 1488
QY      21 AlAGlnArgSerLeuGlyGluMetProGlyArgHisIleuGlySerMetSerLeuAla 40
        |||
        1489 GCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGTCATGATGAGCGCTCGCC 1548
QY      41 LeuCysLeuValProLeuValArgGluGlyHis 51
        |||
        1549 CTGTGCTGCTGCTCCCGCTTGTGAGGGAAGACAT 1501
RESULT 8
US-09-352-616a-468
; Sequence 468, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
US-09-402-713a-2 (1-51) x US-09-352-616a-468 (1-3112)
QY      1 MetPheUHisIleSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
        |||
        1429 ATGTTTGGACATTTCCACCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 1488
QY      21 AlAGlnArgSerLeuGlyGluMetProGlyArgHisIleuGlySerMetSerLeuAla 40
        |||
        1489 GCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGTCATGATGAGCGCTCGCC 1548
QY      41 LeuCysLeuValProLeuValArgGluGlyHis 51
        |||
        1549 CTGTGCTGCTGCTCCCGCTTGTGAGGGAAGACAT 1501
RESULT 9
US-09-439-313-313
; Sequence 313, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(718)
; OTHER INFORMATION: n = A,T,C or G
US-09-439-313-313
Alignment Scores:
Pred. No.: 3.06e-36      Length: 718
```

Score: 43.00 Matches: 43
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.31% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-439-313-313 (1-718)

OY 1 MethelenuhstileserserProphelystyrProhsthrnglnuAlaGlnLysGlu 20
DB 189 ATGTTTGGCATTTCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 248
OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHstLeuGlySerSerMetSerLeuAla 40
DB 249 GCACAGAGATCCCTGGGAGAAATGCGCGCCCATCTTGGGTATCATGATGAGCTCGCC 308
OY 41 Leucylsleu 43
DB 309 CTGTGCCTG 317

RESULT 10

US-09-352-616A-313
; Sequence 313, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(718)
; OTHER INFORMATION: n = A,T,C or G
US-09-352-616A-313

Alignment Scores:

Pred. No.: 3.06e-36 Length: 718
Score: 43.00 Matches: 43
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.31% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-352-616A-313 (1-718)

OY 1 MethelenuhstileserserProphelystyrProhsthrnglnuAlaGlnLysGlu 20
DB 189 ATGTTTGGCATTTCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 248
OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHstLeuGlySerSerMetSerLeuAla 40
DB 249 GCACAGAGATCCCTGGGAGAAATGCGCGCCCATCTTGGGTATCATGATGAGCTCGCC 308
OY 41 Leucylsleu 43
DB 309 CTGTGCCTG 317

RESULT 11
US-09-232-149A-313
; Sequence 313, Application US/09232149A
; Patent No. 6465611

; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(718)
; OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-313

Alignment Scores:

Pred. No.: 3.06e-36 Length: 718
Score: 43.00 Matches: 43
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.31% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-232-149A-313 (1-718)

OY 1 MethelenuhstileserserProphelystyrProhsthrnglnuAlaGlnLysGlu 20
DB 189 ATGTTTGGCATTTCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 248
OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHstLeuGlySerSerMetSerLeuAla 40
DB 249 GCACAGAGATCCCTGGGAGAAATGCGCGCCCATCTTGGGTATCATGATGAGCTCGCC 308
OY 41 Leucylsleu 43
DB 309 CTGTGCCTG 317

RESULT 12

US-08-125-468-1/C
; Sequence 1, Application US/08125468
; Patent No. 5589385

GENERAL INFORMATION:

APPLICANT: Ryan, Michael J.
APPLICANT: Lotvin, Jason A.
APPLICANT: Strathyl, Nancy E.
APPLICANT: Fantini, Susan E.
TITLE OF INVENTION: Cloning of the biosynthetic pathway for
TITLE OF INVENTION: chlorotetracycline and tetracycline formation and cosmid
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESS: American Cyanamid Company
STREET: One Cyanamid Plaza
CITY: Wayne
STATE: New Jersey
COUNTRY: USA
ZIP: 07470

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/125,468
FILING DATE: 22-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

```

; NAME: Tsevdos, Estelle J
; REGISTRATION NUMBER: 31,145
; REFERENCE/DOCKET NUMBER: 31,255-02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (201)831-3241
; TELEFAX: (201)831-3305
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30001 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-125-468-1

Alignment Scores:
Pred. No.: 316 Length: 30001
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 15.69% Indels: 0
DB: 1 Gaps: 0

US-09-402-713a-2 (1-51) x US-08-125-468-1 (1-30001)

QY 39 LeuAlaLeuCySLeuValProLeu 46
Db 19783 CTGGCGCTCTGCTGCTGCGCGCTG 19760

RESULT 13
US-08-474-933-1/c
; Sequence 1, Application US/08474933
; Patent No. 5866410
; GENERAL INFORMATION:
; APPLICANT: Ryan, Michael J.
; APPLICANT: Lotvin, Jason A.
; APPLICANT: Strachy, Nancy
; APPLICANT: Fantini, Susan E.
; TITLE OF INVENTION: Cloning of the biosynthetic pathway for
; TITLE OF INVENTION: chlorotetracycline and tetracycline formation and cosmids
; TITLE OF INVENTION: useful therein
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: One Cyanamid Plaza
; CITY: Wayne
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07470
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,933
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/125,468
; FILING DATE: 22-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsevdos, Estelle J
; REGISTRATION NUMBER: 31,145
; REFERENCE/DOCKET NUMBER: 31,255-02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (201)831-3241
; TELEFAX: (201)831-3305
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30001 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-125-468-1
```

```

; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-474-933-1

Alignment Scores:
Pred. No.: 316 Length: 30001
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 15.69% Indels: 0
DB: 2 Gaps: 0

US-09-402-713a-2 (1-51) x US-08-474-933-1 (1-30001)

QY 39 LeuAlaLeuCySLeuValProLeu 46
Db 19783 CTGGCGCTCTGCTGCTGCGCGCTG 19760

RESULT 14
US-09-495-050A-219/c
; Sequence 219, Application US/09495050A
; Patent No. 6492505
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Guegler, Karl, J.
; APPLICANT: Au-Young, Janice
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATE
; FILE REFERENCE: PA-0013 US
; CURRENT APPLICATION NUMBER: US/09/495,050A
; CURRENT FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/118,318
; PRIOR FILING DATE: February 1, 1999
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 219
; LENGTH: 490
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6492505 2553280CT1
; US-09-495-050A-219

Alignment Scores:
Pred. No.: 69.2 Length: 490
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-495-050A-219 (1-490)

QY 3 LeuHisIleSerProPhe 9
Db 346 TTACATATTCTTCTCTCTTT 326

RESULT 15
US-09-702-705-65/c
; Sequence 65, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
```

```

; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 65
; LENGTH: 547
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(547)
; OTHER INFORMATION: n = A,T,C or G
US-09-702-705-65

Alignment Scores:
Pred. No.: 76.9      Length: 547
Score: 7.00          Matches: 7
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 13.73%              Indels: 0
DB: 4                      Gaps: 0

US-09-402-713A-2 (1-51) x US-09-702-705-65 (1-547)

QY      5  IleserSerProphelysTyr 11
        |||||||
DB      164 ATCTCTCTCTCTTCAATAT 144

RESULT 16
US-09-736-457-65/C
; Sequence 65, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedrick, Tom
; APPLICANT: Carter, Darriek
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 65
; LENGTH: 547
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(547)
; OTHER INFORMATION: n = A,T,C or G
US-09-736-457-65

Alignment Scores:
Pred. No.: 76.9      Length: 547
Score: 7.00          Matches: 7
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 13.73%              Indels: 0
DB: 4                      Gaps: 0

US-09-402-713A-2 (1-51) x US-09-736-457-65 (1-547)

QY      5  IleserSerProphelysTyr 11
        |||||||
DB      164 ATCTCTCTCTCTTCAATAT 144

RESULT 17
US-09-129-030-27/C
; Sequence 27, Application US/09129030A
; Patent No. 6242221
; GENERAL INFORMATION:
; APPLICANT: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
; TITLE OF INVENTION: GENOMIC PRO CLONES
; FILE REFERENCE: 57072-PCT-US
; CURRENT APPLICATION NUMBER: US/09/129,030A
; CURRENT FILING DATE: 1998-08-04
; EARLIER APPLICATION NUMBER: AU PN7856
; EARLIER FILING DATE: 1996-02-05
; EARLIER APPLICATION NUMBER: AU P02361
; EARLIER FILING DATE: 1996-09-16
; EARLIER APPLICATION NUMBER: PCT/AU97/00041
; EARLIER FILING DATE: 1997-01-24
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 588
; TYPE: DNA
; ORGANISM: APPLE
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(588)
US-09-129-030-27

Alignment Scores:
Pred. No.: 82.3      Length: 588
Score: 7.00          Matches: 7
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 13.73%              Indels: 0
DB: 3                      Gaps: 0

US-09-402-713A-2 (1-51) x US-09-129-030-27 (1-588)

QY      34 glySerSerMetSerLeuAla 40
        |||||||
DB      146 GGATCGCTATGAGTTGGCC 126

RESULT 18
US-09-581-001B-20/C
; Sequence 20, Application US/09581001B
; Patent No. 6472142
; GENERAL INFORMATION:
; APPLICANT: Danan-Van Oorschot, Astrid
; TITLE OF INVENTION: METHODS AND MEANS FOR INDUCING APOPTOSIS BY INTERFERING WITH
; TITLE OF INVENTION: BIP-LIKE PROTEINS
; FILE REFERENCE: 2906-49400S
; CURRENT APPLICATION NUMBER: US/09/581,001B
; CURRENT FILING DATE: 2000-07-24
; PRIOR APPLICATION NUMBER: PCT/NL98/00688
; PRIOR FILING DATE: 1998-12-03
; PRIOR APPLICATION NUMBER: EP 97203783.2
; PRIOR FILING DATE: 1997-12-03
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (493)..(493)
; OTHER INFORMATION: The "n" at position 493 may be any of g, a, t, or c.
; NAME/KEY: misc_feature
; LOCATION: (510)..(510)
; OTHER INFORMATION: The "n" at position 510 may be any of g, a, t, or c.
```

```

FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (576)..(576)
? OTHER INFORMATION: The "n" at position 576 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (590)..(590)
? OTHER INFORMATION: The "n" at position 590 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (614)..(614)
? OTHER INFORMATION: The "n" at position 614 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (630)..(630)
? OTHER INFORMATION: The "n" at position 630 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (636)..(636)
? OTHER INFORMATION: The "n" at position 636 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (657)..(658)
? OTHER INFORMATION: The "n" at positions 657-658 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (660)..(660)
? OTHER INFORMATION: The "n" at position 660 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (674)..(674)
? OTHER INFORMATION: The "n" at position 674 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (685)..(685)
? OTHER INFORMATION: The "n" at position 685 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (697)..(697)
? OTHER INFORMATION: The "n" at position 697 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (699)..(699)
? OTHER INFORMATION: The "n" at position 699 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (714)..(714)
? OTHER INFORMATION: The "n" at position 714 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (719)..(719)
? OTHER INFORMATION: The "n" at position 719 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (724)..(724)
? OTHER INFORMATION: The "n" at position 724 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (730)..(730)
? OTHER INFORMATION: The "n" at position 730 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (732)..(732)
? OTHER INFORMATION: The "n" at position 732 may be any of g, a, t, or c.
US-09-581-001B-20

Alignment Scores:
Pred. No.: 103          Length: 745
Score: 7.00           Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%   Indels: 0
DB: 4                Gaps: 0

```

```

US-09-402-713a-2 (1-51) x US-09-581-001B-20 (1-745)
QY 5 IlleSerserPropheIystYr 11
Db 374 ATCTCCTCTCTTCAATAT 354

RESULT 19
US-09-107-532A-298/c
: Sequence 298, Application US/09107532A
: Patent No. 6583275
: GENERAL INFORMATION:
: APPLICANT: Lynn A Doucette-Stamm and David Bush
: TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
: ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
: NUMBER OF SEQUENCES: 7310
: CORRESPONDENCE ADDRESS:
: ADDRESSER: GENOME THERAPEUTICS CORPORATION
: STREET: 100 Beaver Street
: CITY: Waltham
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02354
: COMPUTER READABLE FORM:
: MEDIUM TYPE: CD-ROM ISO9660
: COMPUTER: PC
: OPERATING SYSTEM: <Unknown>
: SOFTWARE: ASCII
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/107,532A
: FILING DATE: 30-Jun-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 60/085,598
: FILING DATE: 14 May 1998
: APPLICATION NUMBER: 60/051,571
: FILING DATE: July 2, 1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Atinello, Pamela Deneka
: REGISTRATION NUMBER: 40,489
: REFERENCE/DOCKET NUMBER: GTC-012
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (781)893-5007
: TELEFAX: (781)893-8277
: INFORMATION FOR SEQ ID NO: 298:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1335 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: circular
: MOLECULE TYPE: DNA (genomic)
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Enterococcus faecium
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (B) LOCATION 1...1335
: SEQUENCE DESCRIPTION: SEQ ID NO: 298:
US-09-107-532A-298

Alignment Scores:
Pred. No.: 180          Length: 1335
Score: 7.00           Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%   Indels: 0
DB: 4                Gaps: 0

US-09-402-713a-2 (1-51) x US-09-107-532A-298 (1-1335)
QY 2 RHeLeuHIsIleSerserPro 8
Db 1315 TTCCTTCAATATCTCAGCCCA 1295

```

RESULT 20
US-08-868-288A-2/C
; Sequence 2, Application US/08868288A
; Patent No. 5922567
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/868,288A
; FILING DATE: June 3, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0309 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1376 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: SYNORAB01
; CLONE: 136466
; US-08-868-288A-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB: 2

US-09-402-713A-2 (1-51) x US-08-868-288A-2 (1-1376)
QY 5 11eserSerProphelysTyr 11
Db 963 ATCTCTCTCTCTTCAATAAT 943

RESULT 21
US-09-235-373-2/C
; Sequence 2, Application US/09235373
; Patent No. 6001598
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/388,993
; FILING DATE:

STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/235,373
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/868,288
FILING DATE: June 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0309 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1376 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: SYNORAB01
CLONE: 136466
US-09-235-373-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB: 3

US-09-402-713A-2 (1-51) x US-09-235-373-2 (1-1376)
QY 5 11eserSerProphelysTyr 11
Db 963 ATCTCTCTCTTCAATAAT 943

RESULT 22
US-09-388-993-2/C
; Sequence 2, Application US/09388993
; Patent No. 6043222
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/388,993
; FILING DATE:

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/868,288
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0309 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1376 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: SYNORAB01
; CLONE: 136466
; US-09-388-993-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Caps: 0

US-09-402-713a-2 (1-51) x US-09-388-993-2 (1-1376)

OY 5 IleserSerProphelysTyr 11
Db 963 ATCTCCTCTCTTCAATAT 943

RESULT 23
US-09-252-991A-1331
; Sequence 1331, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1331
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1331

Alignment Scores:
Pred. No.: 197 Length: 1467
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0

US-09-402-713a-2 (1-51) x US-09-252-991A-1331 (1-1467)

OY 40 AlaLeucysLeuValProleu 46
Db 667 GCCCTGTGCTGTGCTGCGCTG 687

RESULT 24
US-09-044-404A-1/c

; Sequence 1, Application US/09044404A
; Patent No. 6200775
; GENERAL INFORMATION:
; APPLICANT: SATHE, GANESH
; APPLICANT: HALSEY, WENDY
; APPLICANT: ELLIS, CATHERINE
; APPLICANT: AMES, ROBERT
; APPLICANT: SARAU, HENRY
; TITLE OF INVENTION: CDNA CLONE HMTW81 THAT ENCODES
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 790 Swedeland Road, P.O. Box 1539
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/044,404A
; FILING DATE: MARCH 19, 1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/844,795
; FILING DATE: APRIL 22, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T.
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH-70001-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1578 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-044-404A-1

Alignment Scores:
Pred. No.: 211 Length: 1578
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0

US-09-402-713a-2 (1-51) x US-09-044-404A-1 (1-1578)

OY 3 IeuHISleSerProph 9
Db 1473 TTACATATTCTCTCTTTT 1453

RESULT 25
US-09-586-924-1/c
; Sequence 1, Application US/09586924
; Patent No. 6506878
; GENERAL INFORMATION:
; APPLICANT: SATHE, GANESH M.
; APPLICANT: HALSEY, WENDY
; APPLICANT: ELLIS, CATHERINE E.
; APPLICANT: AMES, ROBERT S.
; APPLICANT: FOLEY, JAMES J.
; APPLICANT: SARAU, HENRY M.

APPLICANT: CHAMBERS, JON
TITLE OF INVENTION: CDNA CLONE HMTMF81 THAT ENCODES A NOVEL
FILE REFERENCE: GH-70001-1D1
CURRENT APPLICATION NUMBER: US/09/586,924
CURRENT FILING DATE: 2000-06-05
PRIOR APPLICATION NUMBER: 09/044,404
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 08/844,795
PRIOR FILING DATE: 1997-04-22
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 1578
TYPE: DNA
ORGANISM: HOMO SAPIENS
US-09-586-924-1

Alignment Scores:
Pred. No.: 211 Length: 1578
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-586-924-1 (1-1578)

Oy 3 LeuHsiIeSerSerProPhe 9
Db 1473 TTACATATTTCTCTCCTTT 1453

RESULT 26
US-09-996-243-147/C
Sequence 147, Application US/0996243
Patent No. 6478825
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottfredsen, Mary E.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC13
CURRENT APPLICATION NUMBER: US/09/996,243
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16

;; PRIOR APPLICATION NUMBER: 60/089532
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089538
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089598
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089599
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089600
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089653
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089801
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089907
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089908
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089947
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089948
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089952
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/090246
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090252
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090254
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090349
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090355
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090429
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090431
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478

;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred. No.:	216	Length:	1621
Score:	7.00	Matches:	7
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	13.73%	Indels:	0
DB:	4	Gaps:	0

US-09-402-713a-2 (1-51) x US-09-996-243-147 (1-1621)

Qy 5 IleserSerProphelysTyr 11
Db 926 ATCTCCTCCTTCAATAT 906

RESULT 27
US-09-328-352-639
; Sequence 639, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTE
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 639
; LENGTH: 2163
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-639

Alignment Scores:

Pred. No.:	285	Length:	2163
Score:	7.00	Matches:	7
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	13.73%	Indels:	0
DB:	4	Gaps:	0

US-09-402-713a-2 (1-51) x US-09-328-352-639 (1-2163)

Qy 29 ProGlyArgHisLeuGlySer 35
Db 177 CCAGCGACATCTGGCTTCG 197

RESULT 28
US-09-620-312D-909
; Sequence 909, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyuan
; APPLICANT: Chen, Rui-hong

APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aldong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yundong
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662e1 Nucleic Acids and
FILE REFERENCE: Polypeptides
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: PE_FL_genes Version 1.0
SEQ ID NO 909
LENGTH: 2268
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (445)..(1539)
US-09-620-312D-909

Alignment Scores:
Pred. No.: 298 Length: 2268
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-620-312D-909 (1-2268)

OY 38 SerLeuAlaLeuCySeIeuVal 44
|||||
DB 201 TCCTTGCCTGTGTCTGTC 221

RESULT 29
US-09-411-977-1/c
Sequence 1, Application US/09411977

Patent No. 6372473
GENERAL INFORMATION:
APPLICANT: Moore, Paul A.
APPLICANT: Ruben, Steven M.
APPLICANT: Edner, Reinhard
TITLE OF INVENTION: Tissue Plasminogen Activator-Like Protease
FILE REFERENCE: PF378p1
CURRENT APPLICATION NUMBER: US/09/411,977
CURRENT FILING DATE: 1999-10-04
EARLIER APPLICATION NUMBER: 09/084,491
EARLIER FILING DATE: 1998-05-27
EARLIER APPLICATION NUMBER: 60/048,000
EARLIER FILING DATE: 1997-05-28
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 2329
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: sig_peptide
LOCATION: (124)..(186)
FEATURE:
NAME/KEY: mat_peptide
LOCATION: (187)..(915)

FEATURE:
NAME/KEY: CDS
LOCATION: (124)..(915)
US-09-411-977-1

Alignment Scores:
Pred. No.: 305 Length: 2329
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-411-977-1 (1-2329)

OY 21 AlaGlnArgSerLeuGlyGlu 27
|||||
DB 1262 GCACAGAGAGAGCGCTGGGGAG 1242

RESULT 30
US-07-795-859B-5/c
Sequence 5, Application US/07795859B
Patent No. 5422262

GENERAL INFORMATION:
APPLICANT: Anderson, Stefan
APPLICANT: Russell, David W.
TITLE OF INVENTION: Steroid 5'-Reductases
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White and Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: TX

COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/795,859B
FILING DATE: 18-NOV-1991
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSD:260/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 320-7200
TELEFAX: (512) 474-7677
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 2437 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:

NAME/KEY: CDS
LOCATION: 28..789
US-07-795-859B-5

Alignment Scores:
Pred. No.: 319 Length: 2437
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 1 Gaps: 0

US-09-402-713a-2 (1-51) x US-07-795-859B-5 (1-2437)

OY 41 LeuCysLeuValProLeuVal 47
DB 2312 CTGTGCTTAGTACCACCTGCTG 2292

RESULT 31
US-08-457-616-5/C
Sequence 5, Application US/08457616
Patent No. 5679521
GENERAL INFORMATION:
APPLICANT: Anderson, Stefan
APPLICANT: Russell, David W.
TITLE OF INVENTION: Steroid 5'-Reductases
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White and Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: TX
COUNTRY: USA
ZIP: 77210

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,616
FILING DATE: 01-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/795,859
FILING DATE: 18-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSD:260/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 320-7200
TELEFAX: (512) 474-7677
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 2437 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 28..789
US-08-457-616-5

Alignment Scores:
Pred. No.: 319 Length: 2437
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB: 1

US-09-402-713a-2 (1-51) x US-08-457-616-5 (1-2437)

OY 41 LeuCysLeuValProLeuVal 47
DB 2312 CTGTGCTTAGTACCACCTGCTG 2292

RESULT 32
US-09-235-538-1/C
Sequence 1, Application US/09235538
Patent No. 6395479
GENERAL INFORMATION:
APPLICANT: Reichardt, Juergen, K.V., Ph.D.
APPLICANT: Gerhardt, Coetzee, A., Ph.D.
APPLICANT: Henderson, Brian E., M.D.

APPLICANT: Makridakis, Nick
APPLICANT: Ross, Ronald, M.D.
APPLICANT: University of Southern California
TITLE OF INVENTION: ANDROGEN-METABOLIC GENE MUTATIONS AND
FILE REFERENCE: 13761-706051
CURRENT APPLICATION NUMBER: US/09/235,538
PRIOR FILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: US 60/072,225
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: PCT/US99/01165
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 2437
TYPE: DNA
ORGANISM: Homo sapiens
US-09-235-538-1

Alignment Scores:
Pred. No.: 319 Length: 2437
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB: 4

US-09-402-713a-2 (1-51) x US-09-235-538-1 (1-2437)

OY 41 LeuCysLeuValProLeuVal 47
DB 2312 CTGTGCTTAGTACCACCTGCTG 2292

RESULT 33
US-09-252-991a-1285
Sequence 1285, Application US/09252991a
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991a
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 1285
LENGTH: 2538
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991a-1285

Alignment Scores:
Pred. No.: 331 Length: 2538
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB: 4

US-09-402-713a-2 (1-51) x US-09-252-991a-1285 (1-2538)

OY 40 AlaLeuCysLeuValProLeu 46
DB 1982 GCCCTGTGCTGTGCTGCCGCTG 2002

RESULT 34
US-09-252-991a-1279/C
Sequence 1279, Application US/09252991a

Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1279
; LENGTH: 2571
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-402-713a-2 (1-51) x US-09-252-991a-1279 (1-2571)

Alignment Scores:
Pred. No.: 335 Length: 2571
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-252-991a-1279 (1-2571)

QY 40 AlaleucysleuValProleu 46
Db 561 GCCCTGTGCTGTGCTGCCCTG 541

RESULT 35
US-08-147-949a-1/c
; Sequence 1, Application US/08147949A
; Patent No. 5747279
; GENERAL INFORMATION:
; APPLICANT: Pasternak, Gavril W.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING
; TITLE OF INVENTION: KAPPA3 OPIOID RECEPTORS, RECEPTORS
; TITLE OF INVENTION: ENCODED THEREBY, AND USES THEREOF
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/147,949A
; FILING DATE: 05-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 44782/JPM/JKM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; TELEX: 422523 COOP UI
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2600 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 299..1401
; OTHER INFORMATION:
US-08-147-949a-1

Alignment Scores:
Pred. No.: 339 Length: 2600
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 1 Gaps: 0

US-09-402-713a-2 (1-51) x US-08-147-949a-1 (1-2600)

QY 40 AlaleucysleuValProleu 46
Db 2014 GCTTGTGTGCTGTGCCCTG 1994

RESULT 36
US-09-484-970B-90/c
; Sequence 90, Application US/09484970B
; Patent No. 6426186
; GENERAL INFORMATION:
; APPLICANT: Jones, Karen A.
; APPLICANT: Volkmutch, Wayne
; APPLICANT: Walker, Michael G.
; TITLE OF INVENTION: BONE REMODELING GENES
; FILE REFERENCE: PB-0014 US
; CURRENT APPLICATION NUMBER: US/09/484,970B
; CURRENT FILING DATE: 2000-01-18
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PERL Program
; SEQ ID NO 90
; LENGTH: 2798
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. 6426186 245084.3CB1
; LOCATION: 126, 129, 199, 204
; OTHER INFORMATION: a, t, c, g, or other
US-09-484-970B-90

Alignment Scores:
Pred. No.: 364 Length: 2798
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-484-970B-90 (1-2798)

QY 21 AlaglnArgSerLeuGlyu 27
Db 1650 GCACGAGGAGCGCTGGGGAG 1630

RESULT 37
US-09-203-453-4
; Sequence 4, Application US/09203453
; Patent No. 6426411
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and Adelment, Guilan
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR(SYMBOL 103 \f "Symbol") COACTIVA
; FILE REFERENCE: DFN-023CP
; CURRENT APPLICATION NUMBER: US/09/203,453
; CURRENT FILING DATE: 1998-12-01

```
; EARLIER APPLICATION NUMBER: 09/086,912
; EARLIER FILING DATE: 1998-05-29
; EARLIER APPLICATION NUMBER: 60/048,107
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 4
; LENGTH: 3023
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (89)..(2482)
US-09-203-453-4

Alignment Scores:
Pred. No.: 391          Length: 3023
Score: 7.00           Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%   Indels: 0
DB: 4                  Gaps: 0

US-09-402-713a-2 (1-51) x US-09-203-453-4 (1-3023)
OY 19 LysGluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 38
US-09-900-236-4
; Sequence 4, Application US/09900236
; Patent No. 6525178
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and
; APPLICANT: Adelmant, Guillaume
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR[SYMBOL 103 \f "Symbol"]
; FILE REFERENCE: DFN-023CP
; CURRENT APPLICATION NUMBER: US/09/900,236
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/203,453
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-01
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/048,107
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 4
; LENGTH: 3023
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (89)..(2482)
US-09-900-236-4

Alignment Scores:
Pred. No.: 391          Length: 3023
Score: 7.00           Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%   Indels: 0
DB: 4                  Gaps: 0

US-09-402-713a-2 (1-51) x US-09-900-236-4 (1-3023)
OY 19 LysGluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 39
US-09-086-912-1
; Sequence 1, Application US/09086912
```

```
; Patent No. 6166192
; GENERAL INFORMATION:
; APPLICANT: Bruce M. Spiegelman, Pere Puigserver and Zhidan Wu
; TITLE OF INVENTION: PGC-1, A NO. 6166192a1 Brown Fat PPAR[SYMBOL
; TITLE OF INVENTION: 103 \f "Symbol"] Coactivator
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentln Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/086,912
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/048,107
; FILING DATE: 30-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy B.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: DFN-023
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3066 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 92..2482
US-09-086-912-1

Alignment Scores:
Pred. No.: 397          Length: 3066
Score: 7.00           Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%   Indels: 0
DB: 3                  Gaps: 0

US-09-402-713a-2 (1-51) x US-09-086-912-1 (1-3066)
OY 19 LysGluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 40
US-09-203-453-1
; Sequence 1, Application US/09203453
; Patent No. 6426411
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and Adelmant, Guila
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR[SYMBOL 103 \f "Symbol"] COACTIVA
; FILE REFERENCE: DFN-023CP
; CURRENT APPLICATION NUMBER: US/09/203,453
; CURRENT FILING DATE: 1998-12-01
; EARLIER APPLICATION NUMBER: 09/086,912
; EARLIER FILING DATE: 1998-05-29
; EARLIER APPLICATION NUMBER: 60/048,107
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentln Ver. 2.0
```

```
; SEQ ID NO 1
; LENGTH: 3066
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (92)..(2482)
US-09-203-453-1

Alignment Scores:
Pred. No.: 397 Length: 3066
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-203-453-1 (1-3066)
OY 19 LysGluAlaGlnArgSerLeu 25
Db 2456 AAGGAGCTCAGAGACCTTG 2476

RESULT 41
US-09-900-236-1
; Sequence 1, Application US/09900236
; Patent No. 6525178
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Pulgserver, Pere; Wu, Zhidan and
; APPLICANT: Adelmont, Guillaume
; TITLE OF INVENTION: PGC-1, A NOVEL, BROWN FAT PPAR(SYMBOL 103 \f "Symbol")
; FILE REFERENCE: DEN-023CP
; CURRENT APPLICATION NUMBER: US/09/900,236
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/203,453
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-01
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/048,107
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 3066
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (92)..(2482)
US-09-900-236-1

Alignment Scores:
Pred. No.: 397 Length: 3066
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-900-236-1 (1-3066)
OY 19 LysGluAlaGlnArgSerLeu 25
Db 2456 AAGGAGCTCAGAGACCTTG 2476

RESULT 42
US-09-221-017B-255/c
; Sequence 255, Application US/09221017B
; Patent No. 6444799
; GENERAL INFORMATION:
; APPLICANT: Rose, Bruce C.
; TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
; NUMBER OF SEQUENCES: 1120
; CORRESPONDENCE ADDRESS:
```

```
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221,017B
FILING DATE: 23-DEC-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1182
FILING DATE: 31-DEC-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1546
FILING DATE: 30-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP2911
FILING DATE: 09-APR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/AU98/01023
FILING DATE: 10-DEC-1998
ATTORNEY/AGENT INFORMATION:
NAME: Monroy, Gladys H
REGISTRATION NUMBER: 32,430
REFERENCE/DOCKET NUMBER: 27340-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 255:
SEQUENCE CHARACTERISTICS:
LENGTH: 3218 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: UNKNOWN
ORIGINAL SOURCE:
ORGANISM: PORPHYROMONAS GINGIVALIS
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1...3218
US-09-221-017B-255

Alignment Scores:
Pred. No.: 415 Length: 3218
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-221-017B-255 (1-3218)
OY 35 SerSerMetSerLeuAlaLeu 41
Db 2787 AGTTCATGAGCTTGCCCTTG 2767

RESULT 43
US-08-961-527-70/c
; Sequence 70, Application US/08961527
; Patent No. 6420135
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
```

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,527
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 70:
SEQUENCE CHARACTERISTICS:
LENGTH: 13188 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-961-527-70

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Alignment Scores:
Pred. No.: 1.59e+03      Length: 13188
Score: 7.00             Matches: 7
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 13.73%             Indels: 0
DB: 4                    Gaps: 0

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US-09-402-713a-2 (1-51) x US-08-961-527-70 (1-13188)
QY 40 AlaLeuCysLeuValProLeu 46
Db 2186 GCGCTATGTTGTGTCCTTA 2166

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RESULT 44
US-09-215-694-19/c
; Sequence 19, Application US/09215694B
; Patent No. 6391583
; GENERAL INFORMATION:
; APPLICANT: Wisconsin Alumni Research Foundation
; APPLICANT: Hutchinson, Charles R.
; APPLICANT: Kennedy, Jonathan n.m.i
; APPLICANT: Park, Cheonseek n.m.i
; TITLE OF INVENTION: METHOD OF PRODUCING ANTIHYPERCHOLESTEROLEMIC AGENTS
; FILE REFERENCE: 960296.95718
; CURRENT APPLICATION NUMBER: US/09/215,694B
; CURRENT FILING DATE: 1999-12-18
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 31328
; TYPE: DNA
; ORGANISM: Aspergillus terreus
US-09-215-694-19

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Alignment Scores:
Pred. No.: 3.62e+03      Length: 31328
Score: 7.00             Matches: 7
Percent Similarity: 100.00%      Conservative: 0

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Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 13.73%             Indels: 0
DB: 4                    Gaps: 0

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US-09-402-713a-2 (1-51) x US-09-215-694-19 (1-31328)

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QY 22 GlnArgSerLeuGlyGluMet 28
Db 24667 CAACGTAGTCTCGCGCAATG 24647

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RESULT 45
US-09-738-894A-3/c
; Sequence 3, Application US/09738894A
; Patent No. 6331423
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000636
; CURRENT APPLICATION NUMBER: US/09/738,894A
; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 36651
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(36651)
; OTHER INFORMATION: n = A,T,C or G
US-09-738-894A-3

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Alignment Scores:
Pred. No.: 4.21e+03      Length: 36651
Score: 7.00             Matches: 7
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 13.73%             Indels: 0
DB: 4                    Gaps: 0

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US-09-402-713a-2 (1-51) x US-09-738-894A-3 (1-36651)
QY 35 SerSerMetSerLeuAlaLeu 41
Db 15084 TCCAGTATGTCTCTACACATTG 15064

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Search completed: September 29, 2003, 14:57:07
Job time : 61.5 secs

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OM nucleic - nucleic search, using sw model

Run on: September 29, 2003, 14:39:34 : Search time 112.171 Seconds
(without alignments)
7366.135 Million cell updates/sec

Title: US-09-402-713A-3

Perfect score: 1872

Sequence: 1 agaaagctgcatacaaaaaa.....caataaagaattacaaga 1872

Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 100 summaries

Database :

- Issued Patents NA:*
- 1: /cgn2_6/ptodata/1/ina/5A.COMB.seq:*
 - 2: /cgn2_6/ptodata/1/ina/5B.COMB.seq:*
 - 3: /cgn2_6/ptodata/1/ina/6A.COMB.seq:*
 - 4: /cgn2_6/ptodata/1/ina/6B.COMB.seq:*
 - 5: /cgn2_6/ptodata/1/ina/PCrus.COMB.seq:*
 - 6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	1155	61.7	2426 4 US-09-439-313-470	Sequence 470, App
2	1155	61.7	2426 4 US-09-352-616A-470	Sequence 468, App
3	1155	61.7	3112 4 US-09-439-313-468	Sequence 468, App
4	1155	61.7	3112 4 US-09-352-616A-468	Sequence 468, App
5	1034	55.2	2229 4 US-09-439-313-469	Sequence 469, App
6	1034	55.2	2229 4 US-09-352-616A-469	Sequence 469, App
7	812	43.4	812 4 US-09-439-313-471	Sequence 471, App
8	812	43.4	812 4 US-09-352-616A-471	Sequence 471, App
9	257	13.7	718 4 US-09-439-313-313	Sequence 313, App
10	257	13.7	718 4 US-09-352-616A-313	Sequence 313, App
11	257	13.7	718 4 US-09-232-149A-313	Sequence 313, App
12	179	9.6	301 4 US-09-439-313-287	Sequence 287, App
13	179	9.6	301 4 US-09-352-616A-287	Sequence 287, App
14	179	9.6	301 4 US-09-232-149A-287	Sequence 287, App
15	26	1.4	1379 4 US-09-620-312D-791	Sequence 791, App
16	26	1.4	1462 4 US-09-620-312D-788	Sequence 788, App
17	26	1.4	1515 4 US-09-620-312D-789	Sequence 789, App
18	20	1.1	1664976 4 US-08-916-421B-1	Sequence 1, Appli
19	19	1.0	161 1 US-08-450-834-3	Sequence 3, Appli
20	19	1.0	98844 4 US-09-791-211-10	Sequence 10, Appli
21	18	1.0	3645 2 US-08-663-112-1	Sequence 1, Appli
22	18	1.0	4527 2 US-08-944-449-8	Sequence 8, Appli
23	18	1.0	4527 2 US-08-353-362-8	Sequence 8, Appli
24	18	1.0	8930 4 US-09-077-098A-1	Sequence 1, Appli
25	18	1.0	17000 4 US-09-679-299A-18	Sequence 18, Appli
26	18	1.0	72604 4 US-09-268-992-7	Sequence 7, Appli
27	18	1.0	72604 4 US-09-657-474-7	Sequence 7, Appli

c 28	18	1.0	99500	4	US-09-798-096-10	Sequence 10, Appli
c 29	17	0.9	157	1	US-08-392-678-11	Sequence 11, Appli
c 30	17	0.9	157	1	US-08-457-304A-11	Sequence 11, Appli
c 31	17	0.9	157	1	US-08-456-701A-11	Sequence 11, Appli
c 32	17	0.9	157	4	US-08-684-932A-11	Sequence 11, Appli
c 33	17	0.9	426	4	US-09-328-352-2225	Sequence 2225, Ap
c 34	17	0.9	590	4	US-09-364-206-25	Sequence 25, Appli
c 35	17	0.9	659	2	US-08-454-115-1	Sequence 5, Appli
c 36	17	0.9	831	1	US-08-450-834-5	Sequence 5, Appli
c 37	17	0.9	981	4	US-09-134-001C-982	Sequence 982, App
c 38	17	0.9	1017	4	US-09-328-475C-104	Sequence 104, App
c 39	17	0.9	1242	2	US-08-454-115-4	Sequence 4, Appli
c 40	17	0.9	2196	1	US-08-313-274-1	Sequence 1, Appli
c 41	17	0.9	2389	4	US-09-228-986-1	Sequence 1, Appli
c 42	17	0.9	2427	1	US-08-490-039-1	Sequence 1, Appli
c 43	17	0.9	2920	4	US-08-976-259-10	Sequence 10, Appli
c 44	17	0.9	3247	3	US-08-718-388-4	Sequence 4, Appli
c 45	17	0.9	3661	3	US-08-718-388-5	Sequence 5, Appli
c 46	17	0.9	3675	3	US-08-793-331-5	Sequence 1, Appli
c 47	17	0.9	5128	4	US-09-364-206-1	Sequence 1, Appli
c 48	17	0.9	6792	4	US-09-374-454-20	Sequence 20, Appli
c 49	17	0.9	7824	3	US-08-718-388-6	Sequence 6, Appli
c 50	17	0.9	13857	4	US-09-620-312D-75	Sequence 75, Appli
c 51	17	0.9	15202	3	US-08-922-635-21	Sequence 21, Appli
c 52	17	0.9	15328	2	US-08-888-487-3	Sequence 33, Appli
c 53	17	0.9	15328	4	US-09-362-220-33	Sequence 33, Appli
c 54	17	0.9	15328	5	PCT-US94-07926-33	Sequence 33, Appli
c 55	17	0.9	16382	3	US-08-718-388-8	Sequence 8, Appli
c 56	17	0.9	36519	3	US-08-923-137-2	Sequence 2, Appli
c 57	17	0.9	46718	4	US-09-816-093-3	Sequence 3, Appli
c 58	17	0.9	64467	4	US-08-803-671B-3	Sequence 3, Appli
c 59	17	0.9	1664976	4	US-08-916-421B-1	Sequence 1, Appli
c 60	16	0.9	20	4	US-09-705-299-79	Sequence 79, Appli
c 61	16	0.9	47	4	US-09-671-317-654	Sequence 654, App
c 62	16	0.9	51	3	US-09-046-247-45	Sequence 45, Appli
c 63	16	0.9	89	2	US-08-379-482A-3	Sequence 1001, Ap
c 64	16	0.9	154	2	US-09-016-434-1001	Sequence 2419, Ap
c 65	16	0.9	219	4	US-09-328-352-2419	Sequence 75, Appli
c 66	16	0.9	249	4	US-09-280-116-75	Sequence 3072, Ap
c 67	16	0.9	273	4	US-09-313-294A-3072	Sequence 27, Appli
c 68	16	0.9	430	1	US-08-466-033-27	Sequence 27, Appli
c 69	16	0.9	430	1	US-08-444-733-27	Sequence 27, Appli
c 70	16	0.9	430	2	US-08-464-134-27	Sequence 27, Appli
c 71	16	0.9	430	2	US-08-461-361-27	Sequence 27, Appli
c 72	16	0.9	430	2	US-08-465-910-27	Sequence 27, Appli
c 73	16	0.9	441	3	US-08-856-253-1	Sequence 1, Appli
c 74	16	0.9	495	4	US-09-328-352-1407	Sequence 1407, Ap
c 75	16	0.9	581	4	US-09-671-545A-1	Sequence 1, Appli
c 76	16	0.9	622	3	US-09-385-982-189	Sequence 189, App
c 77	16	0.9	630	4	US-09-328-352-799	Sequence 799, App
c 78	16	0.9	658	4	US-09-671-545A-2	Sequence 2, Appli
c 79	16	0.9	695	3	US-09-040-964-39	Sequence 39, Appli
c 80	16	0.9	695	4	US-09-123-912-39	Sequence 39, Appli
c 81	16	0.9	695	4	US-09-643-597-39	Sequence 39, Appli
c 82	16	0.9	695	4	US-09-480-884A-39	Sequence 39, Appli
c 83	16	0.9	695	4	US-09-542-615A-39	Sequence 39, Appli
c 84	16	0.9	695	4	US-09-606-421B-39	Sequence 39, Appli
c 85	16	0.9	716	3	US-08-991-789A-37	Sequence 37, Appli
c 86	16	0.9	716	3	US-09-062-451-37	Sequence 37, Appli
c 87	16	0.9	716	4	US-09-598-326-37	Sequence 37, Appli
c 88	16	0.9	716	4	US-09-289-198-37	Sequence 37, Appli
c 89	16	0.9	750	4	US-09-134-001C-2193	Sequence 2193, Ap
c 90	16	0.9	753	4	US-09-484-970B-88	Sequence 86, Appli
c 91	16	0.9	792	4	US-09-221-017B-104	Sequence 104, App
c 92	16	0.9	801	4	US-09-134-001C-2409	Sequence 2409, Ap
c 93	16	0.9	801	4	US-09-252-991A-698	Sequence 698, App
c 94	16	0.9	806	4	US-08-936-165A-6	Sequence 6, Appli
c 95	16	0.9	849	3	US-08-856-253-3	Sequence 3, Appli
c 96	16	0.9	870	4	US-09-107-532A-3515	Sequence 3515, Ap
c 97	16	0.9	921	4	US-09-252-991A-3020	Sequence 3020, Ap
c 98	16	0.9	1001	4	US-09-641-638-620	Sequence 620, App
c 99	16	0.9	1001	4	US-09-641-638-621	Sequence 621, App
c 100	16	0.9	1001	4	US-09-671-317-161	Sequence 161, App

ALIGNMENTS

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RESULT 1
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

Query Match      61.7%; Score 1155; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAATAAAGAGGCTGCTGACTTACCATCTGAGGCCACACATCTGCTGAATG 156
DB 1770 AGGTGAATAAAGAGGCTGCTGACTTACCATCTGAGGCCACACATCTGCTGAATG 1711
QY 157 GAGATATTAACACTACTAGAAACAGCAGATGACATATTAATGCTAACTAGTACATG 216
DB 1710 GAGATATTAACACTACTAGAAACAGCAGATGACATATTAATGCTAACTAGTACATG 1651
QY 217 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGAGACAAAAGGAACA 276
DB 1650 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGAGACAAAAGGAACA 1591
QY 277 CAGAGATCCCTGGGAGAAATGCCGCCCATCTTGGGTCATCGATGAGCCCTCGCCCTG 336
DB 1590 CAGAGATCCCTGGGAGAAATGCCGCCCATCTTGGGTCATCGATGAGCCCTCGCCCTG 1531
QY 337 TGGCTGGTCCCTTTGTGAGGGAAGACATTAAGAAATGATGATGCTTCTTAAAG 396
DB 1530 TGGCTGGTCCCTTTGTGAGGGAAGACATTAAGAAATGATGATGCTTCTTAAAG 1471
QY 397 ATGGGAGGAAAACAGATCCTGTTGATATTTATTTGAACGGGATTAAGATTGAAA 456
DB 1470 ATGGGAGGAAAACAGATCCTGTTGATATTTATTTGAACGGGATTAAGATTGAAA 1411
QY 457 TGAAGTCACAAAGTGAGATTTACCAATGAGAGGAAAACAGACGAGAAATCTTGAGAGCT 516
DB 1410 TGAAGTCACAAAGTGAGATTTACCAATGAGAGGAAAACAGACGAGAAATCTTGAGAGCT 1351
QY 517 TCACAAGACATGCAACAAACAAATGGAATGATGATGATGATGATGATGATGATGATG 576
DB 1350 TCACAAGACATGCAACAAACAAATGGAATGATGATGATGATGATGATGATGATGATG 1291
QY 577 GAGGAGATTAACCGAGGGGAGAGGATTCGAGGATTCGAGGATTCGAGGATTCGAGGATTC 636
DB 1290 GAGGAGATTAACCGAGGGGAGAGGATTCGAGGATTCGAGGATTCGAGGATTCGAGGATTC 1231
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QY 637 CATACCAATATCATTTATTTCTAACCCCTCAAAACAAAGCTGTGTATATCTGATCT 696
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QY 697 CTACGGTCTCTTGGGCCCCACATCTCTCATATATCCAGCCACACTCATTTTAAATAT 756
DB 1170 CTACGGTCTCTTGGGCCCCACATCTCTCATATATCCAGCCACACTCATTTTAAATAT 1111
QY 757 TAGTCCAGATCTGACGTGACCTTTCACACTGAGAAATCAATATCTACTCTTGT 816
DB 1110 TAGTCCAGATCTGACGTGACCTTTCACACTGAGAAATCAATATCTACTCTTGT 1051
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QY 877 GGGCCAGGGGATCTGGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTATCT 936
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QY 997 TTTGCCATTAATCAATTTCCACTTTTCCACTTTTCCACTTTTCCACTTTTCCACTTT 1056
DB 870 TTTGCCATTAATCAATTTCCACTTTTCCACTTTTCCACTTTTCCACTTTTCCACTTT 811
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DB 810 ATTCATTAATTAACAGAGATTAATTTTTCAGTGAAGATTAATTAATTAATTAATTA 751
QY 1117 GCAGATTAATTAATTAATTAATTTTTCAGTGAAGATTAATTAATTAATTAATTA 1176
DB 750 GCAGATTAATTAATTAATTAATTTTTCAGTGAAGATTAATTAATTAATTAATTA 691
QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGTGAAGATTAATTAATTAATTAATTAATTA 1236
DB 690 ATCCCTCCCTTTGTTGATTTTTCAGTGAAGATTAATTAATTAATTAATTAATTA 631
QY 1237 GAGGCTGTATACGC 1251
DB 630 GAGGCTGTATACGC 616
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RESULT 2
US-09-352-616A-470/c
; Sequence 470, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-470

Query Match      61.7%; Score 1155; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OY	97	AGGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATG	156
Db	1770	AGGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATG	1711
OY	157	GAGATTAATTAACATCACTAGAAACAGCAGATGCAATATTAATGCTTAAGTAGCAATG	216
Db	1710	GAGATTAATTAACATCACTAGAAACAGCAGATGCAATATTAATGCTTAAGTAGCAATG	1651
OY	217	TTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACACAGAAAGCACAAGAGAACGA	276
Db	1650	TTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACACAGAAAGCACAAGAGAACGA	1591
OY	277	CAGAGATCCCTGGAGAAATGCCGGCCCATCTTGGGTATCATGATGACCTCGCCCTG	336
Db	1590	CAGAGATCCCTGGAGAAATGCCGGCCCATCTTGGGTATCATGATGACCTCGCCCTG	1531
OY	337	TGCGTGGTCCCGCTTGAGAGGAGAGACATTAAGAAATGATTTGATGTCCTTAAGG	396
Db	1350	TGCGTGGTCCCGCTTGAGAGGAGAGACATTAAGAAATGATTTGATGTCCTTAAGG	1471
OY	397	ATGGGCAAGAAACAGATCCCTGTTGGGATTTTATTGTAACGGGATTACAGATTTGAA	456
Db	1470	ATGGGCAAGAAACAGATCCCTGTTGGGATTTTATTGTAACGGGATTACAGATTTGAA	1411
OY	457	TGAAGTCACAAAGTGAGCATTACCAATGAGAGAAACAGACGAGAAATCTTGATGGCT	516
Db	1410	TGAAGTCACAAAGTGAGCATTACCAATGAGAGAAACAGACGAGAAATCTTGATGGCT	1351
OY	517	TCACAACGATGCAACAACAATAATGGAATCTGTGATGACATAGAGCAGCAAGCTGGG	576
Db	1350	TCACAACGATGCAACAACAATAATGGAATCTGTGATGACATAGAGCAGCAAGCTGGG	1291
OY	577	GAGAGATTAACACAGGGGACAGAGGTGACAGATTTGGGCCCTGCTGCCCTAACTGGCTT	636
Db	1290	GAGAGATTAACACAGGGGACAGAGGTGACAGATTTGGGCCCTGCTGCCCTAACTGGCTT	1231
OY	637	CATAACCAATCATTTCAATTTCTTAACCTCAAAACAAAGCTGTGTAATATCTGATCT	696
Db	1230	CATAACCAATCATTTCAATTTCTTAACCTCAAAACAAAGCTGTGTAATATCTGATCT	1171
OY	697	CTAGAGTTCCCTTGGGGCCCAACATTCCTCCATATATCCAGCCACACATCTTTAATAT	756
Db	1170	CTAGAGTTCCCTTGGGGCCCAACATTCCTCCATATATCCAGCCACACATCTTTAATAT	1111
OY	757	TAGTTCCAGATCTGTACTGTGACCTTCTCACTAGTAATTAACATTAATCATTTGGT	816
Db	1110	TAGTTCCAGATCTGTACTGTGACCTTCTCACTAGTAATTAACATTAATCATTTGGT	1051
OY	817	CAAGACCCCTCGTGTGCTGCCCTAATATATGATGACTGTTTTTCTTAAGAGATGTTCT	876
Db	1050	CAAGACCCCTCGTGTGCTGCCCTAATATATGATGACTGTTTTTCTTAAGAGATGTTCT	991
OY	877	GGCCGAGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTATACTT	936
Db	990	GGCCGAGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTATACTT	931
OY	937	ACTAGACACAGCATGATCAATTAGGAGTGAATTAATCAACAATCATCTCCAGTGC	996
Db	930	ACTAGACACAGCATGATCAATTAGGAGTGAATTAATCAACAATCATCTCCAGTGC	871
OY	997	TTTTGCCCATCTGAATTCATTTTCCCATCTTTTGTGCCCATTTCTCAAGACCTCAAAATGTC	1056
Db	870	TTTTGCCCATCTGAATTCATTTTCCCATCTTTTGTGCCCATTTCTCAAGACCTCAAAATGTC	811
OY	1057	ATTCATTAATATACAGAGATTAATCTTTTTTTTAACTGGAAGAAATCAATGTATACAT	1116
Db	810	ATTCATTAATATACAGAGATTAATCTTTTTTTTAACTGGAAGAAATCAATGTATACAT	751
OY	1117	GCAGCTATGGAAATTTAATTAATCAATTTTGTTTTCCAGTGAAGAGATGACATAAGCTT	1176
Db	750	GCAGCTATGGAAATTTAATTAATCAATTTTGTTTTCCAGTGAAGAGATGACATAAGCTT	691
OY	1177	ATCCCTCCCTCTGTGTGATTTTTTTTTTCCAGATTAAGTTAAAGTGTAGCTGTGACT	1236

DB	Query Match	61.7%	Score 1155:	DB 4:	Length 3112:
Db	690 ATCCCTCCCTTTGTTGTTATTTTTCAGATATAAGTTAAATGCTTACGCTTGACT	100.0%	Pred. No. 0:		
Qy	1237 GAGCGTGTATACAGC 1251	0:	Mismatches	0:	Indels
Db	630 GAGCGTGTATACAGC 616	0:	Gaps	0:	
<p>RESULT 3</p> <p>US-09-439-313-468</p> <p>Sequence 468: Application US/09439313</p> <p>Patent No. 6329505</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Xu, Jiangchun</p> <p>APPLICANT: Dillon, Davin C.</p> <p>APPLICANT: Mitcham, Jennifer L.</p> <p>APPLICANT: Harlocker, Susan Louise</p> <p>APPLICANT: Jiang Yuqun</p> <p>APPLICANT: Reed, Steven G.</p> <p>APPLICANT: Kalos, Michael</p> <p>APPLICANT: Fanger, Gary</p> <p>APPLICANT: Relfer, Mark</p> <p>APPLICANT: Solk, John</p> <p>APPLICANT: Day, Craig</p> <p>TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND</p> <p>TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER</p> <p>FILE REFERENCE: 210121.427C9</p> <p>CURRENT APPLICATION NUMBER: US/09/439,313</p> <p>CURRENT FILING DATE: 1999-11-12</p> <p>NUMBER OF SEQ ID NOS: 575</p> <p>SOFTWARE: FastSeq for Windows Version 3.0</p> <p>SEQ ID NO 468</p> <p>LENGTH: 3112</p> <p>TYPE: DNA</p> <p>ORGANISM: Homo sapiens</p> <p>US-09-439-313-468</p>					
Qy	97 AGGTGAGAAATAAGAAAGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAATG	61.7%	Score 1155:	DB 4:	Length 3112:
Db	1312 AGGTGAGAAATAAGAAAGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAATG	100.0%	Pred. No. 0:		
Qy	157 GAGATAATTAACATCCTACTAGAAGACGACAAATATATGTCTAAGTAGTCATG	61.7%	Score 1155:	DB 4:	Length 3112:
Db	1372 GAGATAATTAACATCCTACTAGAAGACGACAAATATATGTCTAAGTAGTCATG	100.0%	Pred. No. 0:		
Qy	217 TTTTGGCAATTTCCAGCCCTTTTAAATATCCACACACACACAGGAAAGCAAAAGGAAGCA	61.7%	Score 1155:	DB 4:	Length 3112:
Db	1432 TTTTGGCAATTTCCAGCCCTTTTAAATATCCACACACACACAGGAAAGCAAAAGGAAGCA	100.0%	Pred. No. 0:		
Qy	277 CAGAGATCCCTGGGGAATATCCCGGCCGCATCTTGGGTATGATGAGCTCGCCCTG	61.7%	Score 1155:	DB 4:	Length 3112:
Db	1492 CAGAGATCCCTGGGGAATATCCCGGCCGCATCTTGGGTATGATGAGCTCGCCCTG	100.0%	Pred. No. 0:		
Qy	337 TGCCGTGTCGCCCTTGTGAGGGAAGACATTAGAAAATGAATGATGTCTTAAAGG	61.7%	Score 1155:	DB 4:	Length 3112:
Db	1552 TGCCGTGTCGCCCTTGTGAGGGAAGACATTAGAAAATGAATGATGTCTTAAAGG	100.0%	Pred. No. 0:		
Qy	397 ATGGGACGAAAGACGATCTGTTGTGATATTTATTTGAACGGGATTACAGATTGAAA	61.7%	Score 1155:	DB 4:	Length 3112:
Db	1612 ATGGGACGAAAGACGATCTGTTGTGATATTTATTTGAACGGGATTACAGATTGAAA	100.0%	Pred. No. 0:		
Qy	457 TGAAGTCAAAAGTGAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGCT	61.7%	Score 1155:	DB 4:	Length 3112:
Db	1672 TGAAGTCAAAAGTGAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGCT	100.0%	Pred. No. 0:		
Qy	517 TCACAGACATGCAACAAACAAATGCAATCTGATGACATGAGCGCAAGCTGGG	61.7%	Score 1155:	DB 4:	Length 3112:
Db	1732 TCACAGACATGCAACAAACAAATGCAATCTGATGACATGAGCGCAAGCTGGG	100.0%	Pred. No. 0:		

QY	577	GAGGAGATACACGGGGCAGAGGGTCAGAAATTCGCGCCGCGCTCAACCTGGCGCT	636
Db	1792	GAGGAGATACACGGGGCAGAGGGTCAGAAATTCGCGCCGCGCTCAACCTGGCGCT	1851
QY	637	CATAACCAAAATCATTTTCATTTTCATTCCTAACCCCTCAAAACCAACCTGTGTAAATATGCATCT	696
Db	1852	CATAACCAAAATCATTTTCATTTTCATTCCTAACCCCTCAAAACCAACCTGTGTAAATATGCATCT	1911
QY	697	CTACGGTTCCTTCTGGGCCCAACATTCCTCATATATCCAGCAGACACTCATTTTAAATAT	756
Db	1912	CTACGGTTCCTTCTGGGCCCAACATTCCTCATATATCCAGCAGACACTCATTTTAAATAT	1971
QY	757	TAGTTCCCAGATCTGTACTGTGACCTTCTACACTGTAGATTAACATTACTCATTTTGT	816
Db	1972	TAGTTCCCAGATCTGTACTGTGACCTTCTACACTGTAGATTAACATTACTCATTTTGT	2031
QY	817	CAAGACCCCTTCGTTGCTGCTCCCTAAATATATAGCTGACTGTTTTCCTCAAGAGTGTCT	876
Db	2032	CAAGACCCCTTCGTTGCTGCTCCCTAAATATATAGCTGACTGTTTTCCTCAAGAGTGTCT	2091
QY	877	GGCCCGAGGGATCTGTGAACAGGCTGGGAGACATCTCAAGATCTTTCAGGGTTATACTT	936
Db	2092	GGCCCGAGGGATCTGTGAACAGGCTGGGAGACATCTCAAGATCTTTCAGGGTTATACTT	2151
QY	937	ACTAGACACACGATGATCATTTACGGAGTGATTAATCTAATCAACATCATCTCACTGTC	996
Db	2152	ACTAGACACACGATGATCATTTACGGAGTGATTAATCTAATCAACATCATCTCACTGTC	2211
QY	997	TTTGCCCATCTGAAATTCATTTCCACTTTTGCCCATCTCTCAAGCCCTCAAAATGTC	1056
Db	2212	TTTGCCCATCTGAAATTCATTTCCACTTTTGCCCATCTCTCAAGCCCTCAAAATGTC	2271
QY	1057	ATTCATTAATATATACAGATTAACCTTTTAAACCTGGAAGAAATTCATGTACAT	1116
Db	2272	ATTCATTAATATATACAGATTAACCTTTTAAACCTGGAAGAAATTCATGTACAT	2331
QY	1117	GCAGCTATGGAAATTAATATACATATTTGTTTCCAGTGCAGGAAGATGACTAAGTCTTT	1176
Db	2332	GCAGCTATGGAAATTAATATACATATTTGTTTCCAGTGCAGGAAGATGACTAAGTCTTT	2391
QY	1177	ATCCCTCCCTTGTGTGATTTTTCACATATAAGTTAAATGCTTACCTGTACT	1236
Db	2392	ATCCCTCCCTTGTGTGATTTTTCACATATAAGTTAAATGCTTACCTGTACT	2451
QY	1237	GAGGCTGTATACAGC 1251	
Db	2452	GAGGCTGTATACAGC 2466	
RESULT 4			
US-09-352-616A-468			
: Sequence 468, Application US/09352616A			
: Patent No. 6395278			
GENERAL INFORMATION:			
APPLICANT: Dillon, Davin C.			
APPLICANT: Harlocker, Susan Louise			
APPLICANT: Jiang, Yungui			
APPLICANT: Xu, Jiangchun			
APPLICANT: Mitcham, Jennifer Lynn			
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS			
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE			
FILE REFERENCE: 210121.427C8			
CURRENT APPLICATION NUMBER: US/09/352,616A			
CURRENT FILING DATE: 1999-07-13			
NUMBER OF SEQ ID NOS: 472			
SOFTWARE: FastSeq for Windows Version 3.0			
SEQ ID NO 468			
LENGTH: 3112			
TYPE: DNA			
ORGANISM: Homo sapiens			
US-09-352-616A-468			
Query Match	61.7%	Score 1155;	DB 4; Length 3112;

	Best Local Similarity	100.0%	Pred. No. 0;	
	Matches 1155;	Conservative 0;	Mismatches 0;	Indels 0; Gaps 0;
OY	97	AGGTGAGAAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTCTGTAATG	156	
Db	1312	AGGTGAGAAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTCTGTAATG	1371	
OY	157	GAGATTAATTAACATCCTAGAAACAGCAAGATGACATATATATGTCTAAGTAGTCATG	216	
Db	1372	GAGATTAATTAACATCCTAGAAACAGCAAGATGACATATATATGTCTAAGTAGTCATG	1431	
OY	217	TTTTTGCACTTTCACGCCCTTTAAATATGCACACACACAGGAAAGCAACAAAGGAACA	276	
Db	1432	TTTTTGCACTTTCACGCCCTTTAAATATGCACACACACAGGAAAGCAACAAAGGAACA	1491	
OY	277	CAGAGATCCCTGGGGAATATCCCGGCCCATCTTGGGTATGATGATAGCTGACCCTG	336	
Db	1492	CAGAGATCCCTGGGGAATATCCCGGCCCATCTTGGGTATGATGATAGCTGACCCTG	1551	
OY	337	TGCGTGTCCCGCTTGTGAGGGAAGACATTAGAAATGAATGTATGTCTTTAAGG	396	
Db	1552	TGCGTGTCCCGCTTGTGAGGGAAGACATTAGAAATGAATGTATGTCTTTAAGG	1611	
OY	397	ATGGGCAAGAAAACAGATCCTGTGTGTGATATTATTTGAACGGGATTACGATTTGAA	456	
Db	1612	ATGGGCAAGAAAACAGATCCTGTGTGTGATATTATTTGAACGGGATTACGATTTGAA	1671	
OY	457	TGAAGTCCAAAGTGAGCATTTNCAATAGAGGAAACAGACGAGAAATCTTGATGCT	516	
Db	1672	TGAAGTCCAAAGTGAGCATTTNCAATAGAGGAAACAGACGAGAAATCTTGATGCT	1731	
OY	517	TCACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGCAGCAAGCTGG	576	
Db	1732	TCACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGCAGCAAGCTGG	1791	
OY	577	GAGGAGATAACCAAGGGGAGAGGGTCAAGATTCTGGCCCTGTGCTCTAACTGCGTT	636	
Db	1792	GAGGAGATAACCAAGGGGAGAGGGTCAAGATTCTGGCCCTGTGCTCTAACTGCGTT	1851	
OY	637	CATAACCAATCATTTCTCATTTTCTTAACCCCAACAAACACCTGTGTAATATGATCT	696	
Db	1852	CATAACCAATCATTTCTCATTTTCTTAACCCCAACAAACACCTGTGTAATATGATCT	1911	
OY	697	CTAAGGTTCCCTCTGAGGCCCAACATTCCTCATATATCCAGGCACACACTATTTAAAT	756	
Db	1912	CTAAGGTTCCCTCTGAGGCCCAACATTCCTCATATATCCAGGCACACACTATTTAAAT	1971	
OY	757	TAGTTCCAGATCTGTACTGTGACCTTCTCAACCTGTAGAATTAACATTACTCATTTGTT	816	
Db	1972	TAGTTCCAGATCTGTACTGTGACCTTCTCAACCTGTAGAATTAACATTACTCATTTGTT	2031	
OY	817	CAAAGACCCCTCGTGTGCTGCCCAATATATGAGTGAAGCTGTTTTTCTAAGGATGTTCT	876	
Db	2032	CAAAGACCCCTCGTGTGCTGCCCAATATATGAGTGAAGCTGTTTTTCTAAGGATGTTCT	2091	
OY	877	GGCCAGGAGATCTGTGAACAGGCTGGGAACATCTCAAGATCTTTCAGGGTATATCTT	936	
Db	2092	GGCCAGGAGATCTGTGAACAGGCTGGGAACATCTCAAGATCTTTCAGGGTATATCTT	2151	
OY	937	ACTAGCACACAGCATGATCATTTACGGAGTAATATCTAATCAACATCATCTCAGTGTCT	996	
Db	2152	ACTAGCACACAGCATGATCATTTACGGAGTAATATCTAATCAACATCATCTCAGTGTCT	2211	
OY	997	TTTGCCCATCTGTGAATTTCAATTTCCCATTTTGGCCATCTCAACACCTCAAAATGTC	1056	
Db	2212	TTTGCCCATCTGTGAATTTCAATTTCCCATTTTGGCCATCTCAACACCTCAAAATGTC	2271	
OY	1057	ATTGCATTAAATATACAGGATTAACTTTTTTTTAACTGTGAGAAATTCATGTATCAT	1116	
Db	2272	ATTGCATTAAATATACAGGATTAACTTTTTTTTAACTGTGAGAAATTCATGTATCAT	2331	
OY	1117	GCACCTATGGGAATTTAATACATATTTTGTTTTCCAGTGCAGGAAGATGACTAAGTCTTT	1176	

Db 2332 GCACGTATGGAGTAATTAATACATATTTGTTTCAGTCAGCAAGATGACTAAGCTTTT 2391
Qy 1177 ATCCCTCCCTTTTGTGATTTTTTTCAGATATAAGTTAAATGCTTACCTTGACT 1236
Db 2392 ATCCCTCCCTTTTGTGATTTTTTTCAGATATAAGTTAAATGCTTACCTTGACT 2451
Qy 1237 GAGCGTGTATACAGC 1251
Db 2452 GAGCGTGTATACAGC 2466

RESULT 5
US-09-439-313-469/c
: Sequence 469, Application US/09439313
: Patent No. 6329505
: GENERAL INFORMATION:
: APPLICANT: Xu, Jianshun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Reed, Steven G.
: APPLICANT: Kalos, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Retter, Mark
: APPLICANT: Solik, John
: APPLICANT: Day, Craig
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427C9
: CURRENT APPLICATION NUMBER: US/09/439, 313
: CURRENT FILING DATE: 1999-11-12
: NUMBER OF SEQ ID NOS: 575
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-439-313-469

Query Match 55.2%; Score 1034; DB 4; Length 2229;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 97 AGGAGAAATTAAGAAAGGCTGCTGACTTTCACATCTGAGCCACACATCTGCTGAATG 156
Db 1776 AGGTGAGAAATTAAGAAAGGCTGCTGACTTTCACATCTGAGCCACACATCTGCTGAATG 1717
Qy 157 GAGATTAATTAATCATCTAGAAACAGCAAGATGACATATATATGCTTAAGTAGACATG 216
Db 1716 GAGATTAATTAATCATCTAGAAACAGCAAGATGACATATATATGCTTAAGTAGACATG 1657
Qy 217 TTTTTCACATTTTCAGCCCTTTAAATATCCACACACAGAAAGCAAAAGGAACGA 276
Db 1656 TTTTTCACATTTTCAGCCCTTTAAATATCCACACACAGAAAGCAAAAGGAACGA 1597
Qy 277 CAGAGATCCCTGGGAGAAATCCCGGCCCATCTTGCGTATGATGAGCTCGCCCTG 336
Db 1596 CAGAGATCCCTGGGAGAAATCCCGGCCCATCTTGCGTATGATGAGCTCGCCCTG 1537
Qy 337 TGCCGTGTCCTGTTGTGAGGAAGACATAGAAATGAATGTGTTCTTAAGG 396
Db 1536 TGCCGTGTCCTGTTGTGAGGAAGACATAGAAATGAATGTGTTCTTAAGG 1477
Qy 397 ATGGGAGAAACAGATCTGTTGTGATATTTATTTGAACGGGATTAAGATTGAAA 456
Db 1476 ATGGGAGAAACAGATCTGTTGTGATATTTATTTGAACGGGATTAAGATTGAAA 1417
Qy 457 TGAAGTCAAAAGAGAGATTAATCAATGAGAGAAACAGCAAGAAATCTTGATGCT 516
Db 1416 TGAAGTCAAAAGAGAGATTAATCAATGAGAGAAACAGCAAGAAATCTTGATGCT 1357
Qy 517 TCACAAGACATGCAACAAATGAATGAACTGTGATGACATGAGGACGCAAGCTGG 576

Db 1356 TCACAAGACATGCAACAAATGAATGAACTGTGATGACATGAGGACGCAAGCTGG 1297
Qy 577 GAGAGATTAACACAGGGGAGAGGTCAGATTTGCGCTGCTGCTAAACTGCGCT 636
Db 1296 GAGAGATTAACACAGGGGAGAGGTCAGATTTGCGCTGCTGCTAAACTGCGCT 1237
Qy 637 CATTAACCAATCATTTTATTTTCTAACCCCTCAAAACAAACCTGTGTAATATGATCT 696
Db 1236 CATTAACCAATCATTTTATTTTCTAACCCCTCAAAACAAACCTGTGTAATATGATCT 1177
Qy 697 CTACGTTCTCTGGGCCCAACATTCATATATCAGCAGACATCATTTTAAATTT 756
Db 1176 CTACGTTCTCTGGGCCCAACATTCATATATCAGCAGACATCATTTTAAATTT 1117
Qy 757 TAGTCCAGATCTGTACTGTGACCTTTTACACTGTAGAAATTAACATTACTATTTGTT 816
Db 1116 TAGTCCAGATCTGTACTGTGACCTTTTACACTGTAGAAATTAACATTACTATTTGTT 1057
Qy 817 CAAGACCTTCGTGCTGCTGCTAATAATGAGTGAAGTCTTTTCTTAAGAGTGTCT 876
Db 1056 CAAGACCTTCGTGCTGCTGCTAATAATGAGTGAAGTCTTTTCTTAAGAGTGTCT 997
Qy 877 GGCCAGGGGATCTGTGACAGGCTGGGAACATCTCAAGATCTTCCAGGGTTACTT 936
Db 996 GGCCAGGGGATCTGTGACAGGCTGGGAACATCTCAAGATCTTCCAGGGTTACTT 937
Qy 937 ACTAGCACAGCATGATCATTTACGAGTGAATATCTAATCAACATCATCTCAGTGC 996
Db 936 ACTAGCACAGCATGATCATTTACGAGTGAATATCTAATCAACATCATCTCAGTGC 877
Qy 997 TTTGCCATACTGAATTCATTTCCCACTTTTGCCCATTCCTCAAGCCCAAAAGTGC 1056
Db 876 TTTGCCATACTGAATTCATTTCCCACTTTTGCCCATTCCTCAAGCCCAAAAGTGC 817
Qy 1057 ATTCATTAATATACAGAGTAATCTTTTAACTTGAGAGAAATTCATGATTTACT 1116
Db 816 ATTCATTAATATACAGAGTAATCTTTTAACTTGAGAGAAATTCATGATTTACT 758
Qy 1117 GCACGTATGGAAATTAATTAATTTGTTTTCAGTGAAGATGACTAAGTCCCTT 1176
Db 757 GCACGTATGGAAATTAATTAATTTGTTTTCAGTGAAGATGACTAAGTCCCTT 698
Qy 1177 ATCCCTCCCTTTGTTGATTTTTTTCACATATAAGTTAAATGCTTACCTTGACT 1236
Db 697 ATCCCTCCCTTTGTTGATTTTTTTCACATATAAGTTAAATGCTTACCTTGACT 638
Qy 1237 GAGCGTGTATACAGC 1251
Db 637 GAGCGTGTATACAGC 623

RESULT 6
US-09-352-616A-469/c
: Sequence 469, Application US/09352616A
: Patent No. 6395278
: GENERAL INFORMATION:
: APPLICANT: Dillon, Davin C.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Xu, Jianshun
: APPLICANT: Mitcham, Jennifer Lynn
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
: FILE REFERENCE: 210121.427C8
: CURRENT APPLICATION NUMBER: US/09/352, 616A
: CURRENT FILING DATE: 1999-07-13
: NUMBER OF SEQ ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens

Db 452 TTGAAAAATGATGATGTCCTTAAGAGTGGGAGGAAAAAGATCCTGTTGGA 393
Oy 426 TATTTATTTGAAGGGATTTACAGATTTGAATGAAGTGCACAAAGTGGACATTACCAATGA 485
Db 392 TATTTATTTGAAGGGATTTACAGATTTGAATGAAGTGCACAAAGTGGACATTACCAATGA 333
Oy 486 GAGGAAAAACAGACGAGAAATCTTGATGGCTTTCACAGACATGCACAAACAAATGGA 545
Db 332 GAGGAAAAACAGACGAGAAATCTTGATGGCTTTCACAGACATGCACAAACAAATGGA 273
Oy 546 TACTGTGATGACATGAGGAGCCAGAGCTGGGAGAGATTAACACGGGGGAGAGGTCAG 605
Db 272 TACTGTGATGACATGAGGAGCCAGAGCTGGGAGAGATTAACACGGGGGAGAGGTCAG 213
Oy 606 GATTCGGCCCTGGCTGAACGTGGCTCATACCAATCATTTGATTTCTAAC 665
Db 212 GATTCGGCCCTGGCTGAACGTGGCTCATACCAATCATTTGATTTCTAAC 153
Oy 666 CTCAAAACAAAGCTGTTGTAATCTGATCTCTACGGTTCCTTGGGCCCAACATCTC 725
Db 152 CTCAAAACAAAGCTGTTGTAATCTGATCTCTACGGTTCCTTGGGCCCAACATCTC 93
Oy 726 CATATATCCAGCCACACTCATTTTAAATTTAGTCCAGATCTGTAAGTGCCTTC 785
Db 92 CATATATCCAGCCACACTCATTTTAAATTTAGTCCAGATCTGTAAGTGCCTTC 33
Oy 786 TACACTGTAATAATCACTACTCATTTGTC 817
Db 32 TACACTGTAATAATCACTACTCATTTGTC 1

RESULT 8

US-09-352-616A-471/c
; Sequence 471, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352.616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-471

Query Match Best Local Similarity 43.4%; Score 812; DB 4; Length 812;

Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 6 CTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCACCGAGGAGCAGAGA 65
Db 812 CTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCACCGAGGAGCAGAGA 753
Oy 66 TCTGATGATGGGAAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGACTT 125
Db 752 TCTGATGATGGGAAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGACTT 693
Oy 126 TACCATGAGAGCCACACATCTGCTGAATGAGATTAATTAACATCACTAGAACAGCA 185
Db 692 TACCATGAGAGCCACACATCTGCTGAATGAGATTAATTAACATCACTAGAACAGCA 633
Oy 186 GATGACAATTAATGCTCTAAGTAGTACATGTTTGCACATTCACGCCCTTTAATA 245
Db 632 GATGACAATTAATGCTCTAAGTAGTACATGTTTGCACATTCACGCCCTTTAATA 573

Oy 246 TCACACACACAGAGACACAAAAAGAGCAGAGATCCTGGGAGAAATGCCGGCG 305
Db 572 TCACACACACAGAGAGACAAAAAGAGCAGAGATCCTGGGAGAAATGCCGGCG 513
Oy 306 CCATCTTGGGTATCATGATGAGCCCTGCGCTGGCTGCCGCTTGTGAGGAGAGCA 365
Db 512 CCATCTTGGGTATCATGATGAGCCCTGCGCTGGCTGCCGCTTGTGAGGAGAGCA 453
Oy 366 TTGAAAAATGAATGATGTTCTTAAAGATGGGAGGAAAAACAGATCCTGTTGTGA 425
Db 452 TTGAAAAATGAATGATGTTCTTAAAGATGGGAGGAAAAACAGATCCTGTTGTGA 393
Oy 426 TATTTATTTGAAGGGATTTACAGATTTGAATGAAGTGCACAAAGTGGACATTACCAATGA 485
Db 392 TATTTATTTGAAGGGATTTACAGATTTGAATGAAGTGCACAAAGTGGACATTACCAATGA 333
Oy 486 GAGGAAAAACAGACGAGAAATCTTGATGGCTTTCACAGACATGCACAAACAAATGGA 545
Db 332 GAGGAAAAACAGACGAGAAATCTTGATGGCTTTCACAGACATGCACAAACAAATGGA 273
Oy 546 TACTGTGATGACATGAGGAGCCAGAGCTGGGAGAGATTAACACGGGGGAGAGGTCAG 605
Db 272 TACTGTGATGACATGAGGAGCCAGAGCTGGGAGAGATTAACACGGGGGAGAGGTCAG 213
Oy 606 GATTCGGCCCTGGCTGAACGTGGCTCATACCAATCATTTGATTTCTAAC 665
Db 212 GATTCGGCCCTGGCTGAACGTGGCTCATACCAATCATTTGATTTCTAAC 153
Oy 666 CTCAAAACAAAGCTGTTGTAATCTGATCTCTACGGTTCCTTGGGCCCAACATCTC 725
Db 152 CTCAAAACAAAGCTGTTGTAATCTGATCTCTACGGTTCCTTGGGCCCAACATCTC 93
Oy 726 CATATATCCAGCCACACTCATTTTAAATTTAGTCCAGATCTGTAAGTGCCTTC 785
Db 92 CATATATCCAGCCACACTCATTTTAAATTTAGTCCAGATCTGTAAGTGCCTTC 33
Oy 786 TACACTGTAATAATCACTACTCATTTGTC 817
Db 32 TACACTGTAATAATCACTACTCATTTGTC 1

RESULT 9

US-09-439-313-313
; Sequence 313, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Relfer, Mark
; APPLICANT: Solk, John
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439.313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(718)
; OTHER INFORMATION: n = A,T,C or G

US-09-439-313-313

Query Match	13.7%	Score 257;	DB 4;	Length 718;
Best Local Similarity	99.48;	Pred. No. 1.1e-114;		
Matches 357;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0;

QY	4	TCGAGCCGAGGGGAGACACAGAAAGATCTGCATGTGGGGAAGACCTGATGATACAGAGCTG	100
Db	17	TCGAGCCGAGGGGAGACACAGAAAGATCTGCATGTGGGGAAGACCTGATGATACAGAGCTG	76
QY	102	ACGAATAAGAAAAGCTGCTGACTTTCACATCTGAGGCCACACATCTGCTGAAATGAGAT	161
Db	77	AGAAATAAGAAAAGCTGCTGACTTTCACATCTGAGGCCACACATCTGCTGAAATGAGAT	136
QY	162	AATTAATCATCAGTAGAAACAGCAATACATATATATAGTATAGTATGATGATGATTT	221
Db	137	AATTAATCATCAGTAGAAACAGCAATACATATATATAGTATAGTATGATGATGATTT	196
QY	222	GCACATTTCCAGCCCTTTAAATATTCACACACACAGAGACACAAAAGGACACAGAG	281
Db	197	GCACATTTCCAGCCCTTTAAATATTCACACACACAGAGACACAAAAGGACACAGAG	256
QY	282	ATCCCTGGGAGAAATGCCGCCGCATCTGGGATCATGATGAGCCTGCCCTGTGACT	341
Db	257	ATCCCTGGGAGAAATGCCGCCGCATCTGGGATCATGATGAGCCTGCCCTGTGACT	316
QY	342	GGTCCCGCTTGTGAGGAGAGACATTTAGAAAATGATGATGTCTTCTTAAAGATGG	400
Db	317	GGTCCCGCTTGTGAGGAGAGACATTTAGAAAATGATGATGTCTTCTTAAAGATGG	375

RESULT 10

```

US-09-352-616A-313
: Sequence 313, Application US/09352616A
: Patient No. 6395278
: GENERAL INFORMATION:
: APPLICANT: Dillon, Davin C.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yuguí
: APPLICANT: Xu, Jiangchun
: APPLICANT: Mitcham, Jennifer Lynn
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
: FILE REFERENCE: 210121.427C8
: CURRENT APPLICATION NUMBER: US/09/352,616A
: CURRENT FILING DATE: 1999-07-13
: NUMBER OF SEQ ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 313
: LENGTH: 718
: TYPE: DNA
: ORGANISM: Homo sapien
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(718)
: OTHER INFORMATION: n = A,T,C or G
: US-09-352-616A-313

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Query Match	13.78; Score 257; DB 4; Length 718;
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Best Local Similarity 99.4%; Pred. No. 1.1e-114;
Matches 357; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY	4	ATCAGCGCGGAGGAGACCCAGGAAGATCTGATGTGGGAAGACCTGATGTATACAGAGGTG	101
	17	TGCAGCGCGGAGGAGACCAAGGAAGATCTGATGTGGGAAGACCTGATGTATACAGAGGTG	76
Db	102	AGGAATTAAGAAGCGTGCCTTACCATGTGAGGCCACACATCTCTCTGAATGCGAGAT	161
QY	77	AGGAATTAAGAAGCGTGCCTTACCATGTGAGGCCACACATCTCTGAATGCGAGAT	136
Db	162	AATTAACATCTACTAGAAAACGCAAGATGACATATAATGTTAAGTAGTACATGTTTTT	221
QY	137	AATTAACATCTACTAGAAAACGCAAGATGACATATAATGTTAAGTAGTACATGTTTTT	196

OY	222 GCACATTTCCAGCCCCCTTTAAATATCCACACACAGGACACAAAAGGAAGCACAG	287
Db	197 GCACATTTCAGGCCCTTTTAAATATCCACACACAGAGAACA AAAAGGAAGCACAGAG	256
OY	282 ATCCCTGGGGAATATCCCCCGCCGCATCTTGGTGATCATGATGACCCTCGCCCTGTGCT	342
Db	257 ATCCCTGGGGAATATCCCCCGCCGCATCTTGGTGATCATGATGACCCTCGCCCTGTGCT	318
OY	342 GGTCCCGCTTGATGGGAAGGACATTAGAAAAATGAATGATGTGTCTCTTAAGGATNG	400
Db	317 GATCCCGCTTGATGGGAAGGACATTAGAAAAATGAATGATGTGTCTCTTAAGGATNG	375

RESULT 11

```

US-09-232-149A-313
Sequence 313, Application US/09232149A
Patent No. 6465611
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C6
CURRENT APPLICATION NUMBER: US/09/232,149A
CURRENT FILING DATE: 1999-01-15
NUMBER OF SEQ ID NOS: 338
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 313
LENGTH: 718
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc-feature
LOCATION: (1)...(718)
OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-313

```

Query Match	13.7%	Score 257;	DB 4;	Length 718;
-------------	-------	------------	-------	-------------

Best Local Similarity 99.48; Pred: No. 1.1e-114;
Matches 357; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY	42	TGCAGCGGAGGAGACACAGAGATCTCATGTGTGGGAAGCACTGATGATACAGAGTGT	101
Db	17	TGCAGCGGAGGAGGAGCAGCAGGAAGATCTCATGTGTGGGAAGCACTGATGATACAGAGTGT	76
QY	102	AGCAATAGAAAGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAATGGAGAT	161
Db	77	AGAAATAGAAAGGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAATGGAGAT	136
QY	162	AATTAATCATCAGTACAGAAACAGCAAGATATATATATAGTGTAAAGTGTGATCATGT	221
Db	137	AATTAATCATCTAGAAACAGCAAGATATATATATAGTGTAAAGTGTGATCATGT	136
QY	222	GCAATTTCCAGCCCTTTAAATATCCACACACAGAGAACACAAAGGAAGCACAGAG	281
Db	197	GCAATTTCCAGCCCTTTAAATATCCACACACAGAGAACACAAAGGAAGCACAGAG	256
QY	282	ATACCTGGAGAAATATCCCGCGCCGACATCTGGGATCATGATGAGCCTCGCGCTGTCCCT	341
Db	257	ATCCCTGGAGAAATATCCCGCGCCGACATCTGGGATCATGATGAGCCTCGCGCTGTCCCT	316
QY	342	GGTCCCGCTTTGAGGGAAGGACATTAAGAAATGATATGATGTCTCTTAAAGATGG	400
Db	317	GNCTCCCGCTTTGAGGGAAGGACATTAAGAAATGATATGATGTCTCTTAAAGATGG	375

RESULT 12

US-09-439-313-287/c
; Sequence 287, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:


```
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yungqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: PL_FL_genes Version 1.0
SEQ ID NO 791
LENGTH: 1379
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (109)..(789)
US-09-620-312D-791
```

```
Query Match
Best Local Similarity 1.4%; Score 26; DB 4; Length 1379;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 977 TCAACATCATCCTCAGTGTCTTGCC 1002
Db 335 TCAACATCATCCTCAGTGTCTTGCC 360
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```
RESULT 16
US-09-620-312D-788
Sequence 788, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aildong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yungqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: PL_FL_genes Version 1.0
SEQ ID NO 788
LENGTH: 1462
TYPE: DNA
ORGANISM: Homo sapiens
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FEATURE:
NAME/KEY: CDS
LOCATION: (109)..(915)
US-09-620-312D-788
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```
Query Match
Best Local Similarity 1.4%; Score 26; DB 4; Length 1462;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 977 TCAACATCATCCTCAGTGTCTTGCC 1002
Db 335 TCAACATCATCCTCAGTGTCTTGCC 360
```

```
RESULT 17
US-09-620-312D-789
Sequence 789, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aildong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yungqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: PL_FL_genes Version 1.0
SEQ ID NO 789
LENGTH: 1519
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (109)..(972)
US-09-620-312D-789
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```
Query Match
Best Local Similarity 1.4%; Score 26; DB 4; Length 1519;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 977 TCAACATCATCCTCAGTGTCTTGCC 1002
Db 392 TCAACATCATCCTCAGTGTCTTGCC 417
```

```
RESULT 18
US-08-916-421B-1
Sequence 1, Application US/08916421B
Patent No. 6503729
GENERAL INFORMATION:
APPLICANT: Bult et al.
TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methano
Patent No. 6503729
```

NAME/KEY: misc_feature	
LOCATION: (309418) .. (309418)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (312837) .. (312837)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (312993) .. (312993)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (319226) .. (319226)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (559241) .. (559241)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (600992) .. (600992)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (652708) .. (652708)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (657081) .. (657081)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (657203) .. (657203)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (674435) .. (674435)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (682442) .. (682442)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (713652) .. (713652)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (7741684) .. (7741684)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (779455) .. (779455)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (779676) .. (779676)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (855539) .. (855539)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (871619) .. (871619)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (1084830) .. (1084830)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (1096846) .. (1096846)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (1119881) .. (1119881)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (1130881) .. (1130881)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (1310988) .. (1310988)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	
LOCATION: (1313224) .. (1313224)	t, c, or g
OTHER INFORMATION: n equals a,	
NAME/KEY: misc_feature	

LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349491)..(1349491)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1470091)..(1470091)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1569020)..(1569020)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1602912)..(1602912)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1603734)..(1603734)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1637998)..(1637998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1664854)..(1664854)
OTHER INFORMATION: n equals a, t, c, or g
US-08-916-421B-1

Query Match 1.1%; Score 20; DB 4; Length 1664976;
Best Local Similarity 100.0%; Pred. No. 4.6;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 CACTCATTTTATATTAG 759
DB 1520938 CACTCATTTTATATTAG 1520957

RESULT 19
US-08-834-3/C
Sequence 3, Application US/08450834
Patent No. 5773705
GENERAL INFORMATION:
APPLICANT: Vierstra, Richard D
APPLICANT: Hondred, David
APPLICANT: Callis, Judy
TITLE OF INVENTION: Ubiquitin Fusion Protein System for
TITLE OF INVENTION: Protein Production in Plants
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: P.O. Box 2113
CITY: Madison
STATE: WI
COUNTRY: USA
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,834
FILING DATE: 25-MAY-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/999,709
FILING DATE: 31-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296, 92425
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:

LENGTH: 161 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: UBQ-BT
FEATURE:
NAME/KEY: misc_feature
LOCATION: 4..9
OTHER INFORMATION: /function="Hind III restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 47..52
OTHER INFORMATION: /function="Bgl II restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 58..64
OTHER INFORMATION: /product="Eae I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 110..116
OTHER INFORMATION: /function="Sac II restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 146..152
OTHER INFORMATION: /function="Nsi I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 153..158
OTHER INFORMATION: /function="Sal I restriction site"
US-08-450-834-3

Query Match 1.0%; Score 19; DB 1; Length 161;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 59 AGGAAGATCTGATGTTGG 77
DB 56 AGGAAGATCTGATGTTGG 38

RESULT 20
US-09-791-211-10
Sequence 10, Application US/09791211
Patent No. 6448080
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF WRN EXPRESSION
FILE REFERENCE: RTS-0205
CURRENT APPLICATION NUMBER: US/09/791,211
CURRENT FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 10
LENGTH: 98844
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: unsure
LOCATION: 24962
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 64383
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65468
OTHER INFORMATION: unknown

NAME/KEY: unsure
LOCATION: 65469
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65470
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65471
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 87130
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 89049
OTHER INFORMATION: unknown
OTHER INFORMATION: unknown
US-09-791-211-10

Query Match 1.0%; Score 19; DB 4; Length 98844;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1786 GTTGTCTCTGTACTTAAT 1804
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Db 61321 GTTGTCTCTGTACTTAAT 61339

RESULT 21
US-08-663-112-1/c
Sequence 1, Application US/08663112
Patent No. 5849503
GENERAL INFORMATION:
APPLICANT: WAGATSUMA, Masako
APPLICANT: KURITA, No. 3849503iko
TITLE OF INVENTION: MUTANT PROTEINS OF HUMAN DNA
TITLE OF INVENTION: TOPOISOMERASE I
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESS: Finnegan, Henderson, Farabow, Garrett &
ADDRESS: Dunner L.L.P.
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/663,112
FILING DATE: 26-NOV-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elnaudi, Carolyn P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 06609.1488-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4400
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3645 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA to mRNA
FEATURE:
NAME/KEY: CDS
LOCATION: 212..2506
OTHER INFORMATION: /label= Fmutant
US-08-663-112-1

Query Match 1.0%; Score 18; DB 2; Length 3645;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 974 TAATCAACATCATCTCA 991
|||||
Db 651 TAATCAACATCATCTCA 634

RESULT 22
US-08-944-449-8
Sequence 8, Application US/08944449
Patent No. 5985613
GENERAL INFORMATION:
APPLICANT: KURTH, REINHARD
APPLICANT: BAIER, MICHAEL
APPLICANT: METZNER, KARIN
APPLICANT: WERNER, ALBRECHT
TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of
FILE REFERENCE: 8341-7065
CURRENT APPLICATION NUMBER: US/08/944,449
CURRENT FILING DATE: 1997-10-06
EARLIER APPLICATION NUMBER: EP 95113013.2
EARLIER FILING DATE: 1995-08-18
EARLIER APPLICATION NUMBER: DE 195 13 152.5
EARLIER FILING DATE: 1995-04-07
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 8
LENGTH: 4527
TYPE: DNA
ORGANISM: Human immunodeficiency virus type 1
US-08-944-449-8

Query Match 1.0%; Score 18; DB 2; Length 4527;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 48 CGAGGAGAGCCAGGAGA 65
|||||
Db 489 CGAGGAGAGCCAGGAGA 506

RESULT 23
US-09-353-362-8
Sequence 8, Application US/09353362
Patent No. 6383739
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of viruses,
TITLE OF INVENTION: In particular of retroviruses
NUMBER OF SEQUENCES: 8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30B (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/353,362
FILING DATE: 15-JUL-1999
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 195 13 152.5
FILING DATE: 07-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95113013.2
FILING DATE: 18-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: KLESNER, Sharon N.

REGISTRATION NUMBER: 36,335
REFERENCE/DOCKET NUMBER: P8341-9012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 638-5000
TELEFAX: (202) 638-4810
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 4527 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-353-362-8

Query Match
Best Local Similarity 100.0%; Pred. No. 48;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 CGAGGAGACCAGGAGA 65
|||||
DB 489 CGAGGAGACCAGGAGA 506

RESULT 24
US-09-077-098A-1
Sequence 1, Application US/09077098A
Patent No. 6544519
GENERAL INFORMATION:
APPLICANT: TOKUNAGA, Eiji
SAKAGUCHI, Masashi
MATSUO, Kazuo
HAMADA, Fukusaburo
TOKIYOSHI, Sachio
TITLE OF INVENTION: NOVEL POLYPEPTIDE FROM HAEMOPHILUS PARAGALLINARUM AND PROCESS FOR PREPARING THE SAME
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 624 Ninth Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077,098A
FILING DATE: 19-May-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCF/JP97/03222
FILING DATE: 12-SEP-1997
APPLICATION NUMBER: JP 27,148/1996
FILING DATE: 19-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: KORNBAU, Anne M.
REGISTRATION NUMBER: 25,618
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8930 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
ORIGINAL SOURCE:
FEATURE:

NAME/KEY: CDS
LOCATION: 8374..8929
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-077-098A-1

Query Match
Best Local Similarity 100.0%; Pred. No. 47;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 739 ACACTCATTTTATATT 756
|||||
DB 207 ACACTCATTTTATATT 224

RESULT 25
US-09-679-299A-18/C
Sequence 18, Application US/09679299A
Patent No. 6566135
GENERAL INFORMATION:
APPLICANT: Vickie L. Brown-Driver
APPLICANT: Hong Zhang
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 6 EXPRESSION
FILE REFERENCE: RTS-0187
CURRENT APPLICATION NUMBER: US/09/679,299A
CURRENT FILING DATE: 2000-10-04
NUMBER OF SEQ ID NOS: 164
SEQ ID NO 18
LENGTH: 17000
TYPE: DNA
ORGANISM: Homo sapiens
US-09-679-299A-18

Query Match
Best Local Similarity 100.0%; Pred. No. 47;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 439 GGGATTACAGATTGAAA 456
|||||
DB 951 GGGATTACAGATTGAAA 9494

RESULT 26
US-09-268-992-7/C
Sequence 7, Application US/09268992
Patent No. 6342351
GENERAL INFORMATION:
APPLICANT: Chen, H.
APPLICANT: Feilmer, N.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
FILE REFERENCE: 7853-138
CURRENT APPLICATION NUMBER: US/09/268,992
CURRENT FILING DATE: 1999-03-16
EARLIER APPLICATION NUMBER: 09/236,134
EARLIER FILING DATE: 1999-01-22
EARLIER APPLICATION NUMBER: 60/106,056
EARLIER FILING DATE: 1998-10-28
EARLIER APPLICATION NUMBER: 60/088,312
EARLIER FILING DATE: 1998-06-05
EARLIER APPLICATION NUMBER: 60/078,044
EARLIER FILING DATE: 1998-03-16
NUMBER OF SEQ ID NOS: 84
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 7
LENGTH: 72604
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: modified_base
LOCATION: all n positions
OTHER INFORMATION: n-a, c, g, or t
US-09-268-992-7

Query Match 1.0%; Score 18; DB 4; Length 72604;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1698 CCCAAGGTACCTTTAT 1715
|||||
DB 54428 CCCAAGGTACCTTTAT 54411

RESULT 27
US-09-657-474-7/C
Sequence 7, Application US/09657474
Patent No. 6399762

GENERAL INFORMATION:
APPLICANT: Freimer, N.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
FILE REFERENCE: 7853-138
CURRENT APPLICATION NUMBER: US/09/657,474
CURRENT FILING DATE: 2000-09-07
PRIOR APPLICATION NUMBER: 09/268,992
PRIOR FILING DATE: 1999-03-16
PRIOR APPLICATION NUMBER: 09/236,134
PRIOR FILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 60/106,056
PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: 60/088,312
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/078,044
PRIOR FILING DATE: 1998-03-16
NUMBER OF SEQ ID NOS: 84
SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 7
LENGTH: 72604
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: modified_base
LOCATION: all n positions
OTHER INFORMATION: n=a, c, g, or t
US-09-657-474-7

Query Match 1.0%; Score 18; DB 4; Length 72604;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1698 CCCAAGGTACCTTTAT 1715
|||||
DB 54428 CCCAAGGTACCTTTAT 54411

RESULT 28

US-09-798-096-10/C
Sequence 10, Application US/09798096
Patent No. 6399378

GENERAL INFORMATION:
APPLICANT: Donna T. Ward
TITLE OF INVENTION: ANTISENSE MODULATION OF RECOL2 EXPRESSION
FILE REFERENCE: RFS-0207
CURRENT APPLICATION NUMBER: US/09/798,096
CURRENT FILING DATE: 2001-03-01
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 10
LENGTH: 99500
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

US-09-798-096-10
Query Match 1.0%; Score 18; DB 4; Length 99500;

Best Local Similarity 100.0%; Pred. No. 45;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1551 AGAGGAATGTTATGGG 1568
|||||
DB 65771 AGAGGAATGTTATGGG 65754

RESULT 29

US-08-392-678-11
Sequence 11, Application US/08392678
Patent No. 5552281

GENERAL INFORMATION:
APPLICANT: Stashenko, Phillip
APPLICANT: Li, Yi-Ping
TITLE OF INVENTION: HUMAN OSTEOCLAST-SPECIFIC AND
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/392,678
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/045,270
FILING DATE: 06 APR 1993
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: FDC92-02
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 157 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-392-678-11

Query Match 0.9%; Score 17; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1075 GATTAACTTTTATTTT 1091
|||||
DB 118 GATTAACTTTTATTTT 134

RESULT 30
US-08-457-304A-11
Sequence 11, Application US/08457304A
Patent No. 5624801

GENERAL INFORMATION:
APPLICANT: Stashenko, Phillip
APPLICANT: Li, Yi-Ping
TITLE OF INVENTION: METHODS OF IDENTIFYING HUMAN OSTEOCLAST-SPECIFIC
TITLE OF INVENTION: AND-RELATED GENES (as amended)

Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1075 GATTAAGCTTTTCTTTT 1091
|||||
Db 118 GATTAAGCTTTTCTTTT 134

RESULT 33

US-09-328-352-2225/c
; Sequence 2225, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Bretton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328.352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2225
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-2225

Query Match 0.9%; Score 17; DB 4; Length 426;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1016 ATTCCCACTTTTGTGC 1032
|||||
Db 263 ATTCCCACTTTTGTGC 247

RESULT 34

US-09-364-206-25
; Sequence 25, Application US/09364206
; Patent No. 6475752
; GENERAL INFORMATION:
; APPLICANT: Lal, Preethi
; APPLICANT: Tang, Y. Tom
; APPLICANT: Baugh, Mariah R.
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: Mammalian Imidazole Receptor
; FILE REFERENCE: PC-0006 US
; CURRENT APPLICATION NUMBER: US/09/364.206
; CURRENT FILING DATE: 1999-07-30
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 461,517,526,535,536,561
; OTHER INFORMATION: a or g or c or t, unknown, or other
; FEATURE:
; NAME/KEY:
; OTHER INFORMATION: 1886951f6
; PUBLICATION INFORMATION:
US-09-364-206-25

Query Match 0.9%; Score 17; DB 4; Length 590;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 CTGCATCAGAAAACA 22
|||||
Db 118 CTGCATCAGAAAACA 134

RESULT 35
US-08-454-115-1/c
; Sequence 1, Application US/08454115
; Patent No. 5866782

; GENERAL INFORMATION:
; APPLICANT: Mari IWABUCHI et al.
; TITLE OF INVENTION: A GENE WHICH DETERMINES CYTOPLASMIC
; TITLE OF INVENTION: STERILITY AND A METHOD OF PRODUCING HYBRID PLANTS USING SAI
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454,115
; FILING DATE: July 12, 1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 659 bases
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Rhipanus salivus
; STRAIN: kosena radish
; ORGANELLE: mitochondria
US-08-454-115-1

Query Match 0.9%; Score 17; DB 2; Length 659;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1001 CCCATCTGAATTCAT 1017
|||||
Db 365 CCCATCTGAATTCAT 349

RESULT 36
US-08-450-834-5/c
; Sequence 5, Application US/08450834
; Patent No. 5773705

; GENERAL INFORMATION:
; APPLICANT: Vierstra, Richard D
; APPLICANT: Hondred, David
; APPLICANT: Callis, Judy
; TITLE OF INVENTION: Ubiquitin Fusion Protein System for
; TITLE OF INVENTION: Protein Production in Plants
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: P.O. Box 2113
; CITY: Madison

```

STATE: WI
COUNTRY: USA
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,834
FILING DATE: 25-MAY-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/999,709
FILING DATE: 31-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296.92425
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 831 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: 35S/AMV/UBQ11/UBQ-CUS
FEATURE:
NAME/KEY: CDS
LOCATION: 503..730
FEATURE:
NAME/KEY: promoter
LOCATION: 1..502
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..6
OTHER INFORMATION: /function="Eco RI restriction
FEATURE:
NAME/KEY: misc_feature
LOCATION: 7..12
OTHER INFORMATION: /function="Sac I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 13..18
OTHER INFORMATION: /function="Kpn I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 18..24
OTHER INFORMATION: /function="Apa I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 464..469
OTHER INFORMATION: /function="Hind III restriction
FEATURE:
NAME/KEY: misc_feature
LOCATION: 720..726
OTHER INFORMATION: /function="Sac II restriction
FEATURE:
NAME/KEY: misc_feature
LOCATION: 819..825
OTHER INFORMATION: /function="Bcl I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 826..831

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```

OTHER INFORMATION: /function="Xba I restriction site"
US-08-450-834-5
Query Match 0.9%; Score 17; DB 1; Length 831;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 61 GAAGATCTGCATGCTGCG 77
DB 514 GAAGATCTGCATGCTGCG 498
RESULT 37
US-09-134-001C-982
Sequence 982, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 982
LENGTH: 981
TYPE: DNA
ORGANISM: staphylococcus epidermidis
US-09-134-001C-982
Query Match 0.9%; Score 17; DB 4; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1799 GTTATTGAAGAATA 1815
DB 615 GTTATTGAAGAATA 631
RESULT 38
US-09-328-475C-104/C
Sequence 104, Application US/09328475C
Patent No. 6476207
GENERAL INFORMATION:
APPLICANT: Zhang, Jimmy
APPLICANT: Astel, Jon H.
APPLICANT: Carroll III, Eddie
APPLICANT: Endege, Wilson O.
APPLICANT: Ford, Donna M.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
APPLICANT: Steinmann, Kathleen E.
TITLE OF INVENTION: ARE DIFFERENTIALLY REGULATED IN PROSTATE CANCER
FILE REFERENCE: 1532.002/200130.463
CURRENT APPLICATION NUMBER: US/09/328,475C
CURRENT FILING DATE: 1999-06-09
NUMBER OF SEQ ID NOS: 341
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 104
LENGTH: 1017
TYPE: DNA
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1017)
OTHER INFORMATION: n = A,T,C or G
US-09-328-475C-104

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Query Match 0.9%; Score 17; DB 4; Length 1017;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 536 CAAATGGAATGCTGTG 552
170 CAAATGGAATGCTGTG 154

RESULT 39

US-08-454-115-4/c
; Sequence 4, Application US/08454115
; Patent No. 5865782
; GENERAL INFORMATION:
; APPLICANT: Mari IMABUCHI et al.
; TITLE OF INVENTION: A GENE WHICH DETERMINES CYTOPLASMIC
; TITLE OF INVENTION: STERILITY AND A METHOD OF PRODUCING HYBRID PLANTS USING SAID G
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454,115
; FILING DATE: July 12, 1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1242 bases
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Brassica napus
; STRAIN: SW18
; ORGANELL: mitochondria
; US-08-454-115-4

Query Match 0.9%; Score 17; DB 2; Length 1242;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1001 CCCATCTGGAATTCAT 1017
Db 365 CCCATCTGGAATTCAT 349

RESULT 40

US-08-313-274-1/c
; Sequence 1, Application US/08313274
; Patent No. 5595902
; GENERAL INFORMATION:
; APPLICANT: BIDEN, Trevor J.

APPLICANT: SELBIE, Lisa
TITLE OF INVENTION: Protein Kinase C (Iota)
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rothwell, Figg Ernst & Kurz
STREET: Suite 701-E, 555 Thirteenth St., N.W
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/313,274
FILING DATE: 02-DEC-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/AU92/00052
FILING DATE: 04-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: WALKER, Barbara W.
REGISTRATION NUMBER: 35,400
REFERENCE/DOCKET NUMBER: 1871-111A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)783-6040
TELEFAX: (202)783-6031
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2196 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 265..2025
US-08-313-274-1

Query Match 0.9%; Score 17; DB 1; Length 2196;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1713 TATCATTTTCATGCTGA 1729
Db 450 TATCATTTTCATGCTGA 434

RESULT 41

US-09-228-986-1
; Sequence 1, Application US/09228986
; Patent No. 6359198
; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Neuenhulzen, Niels
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; TITLE OF INVENTION: and their use in the Modification of Plant Cell Signalling
; FILE REFERENCE: 11000/1020
; CURRENT APPLICATION NUMBER: US/09/228,986
; CURRENT FILING DATE: 1999-01-12
; NUMBER OF SEQ ID NOS: 130
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 2389
; TYPE: DNA
; ORGANISM: Pinus radiata
; US-09-228-986-1

Query Match 0.9%; Score 17; DB 4; Length 2389;

CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:

NAME: MURPHY JR, GERALD M

REGISTRATION NUMBER: 28,977

REFERENCE/DOCKET NUMBER: 0230-111

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 205-8000

TELEFAX: (703) 205-8050

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 3247 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-08-718-388-4

Query Match

0.9%; Score 17; DB 3; Length 3247;

Best Local Similarity 100.0%; Pred. No. 1.5e+02;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 135 AGGCCACACATCTGCTG 151

Db 2721 AGGCCACACATCTGCTG 2705

RESULT 45

US-08-718-388-5/c

; Sequence 5, Application US/08718388

; Patent No. 6271362

; GENERAL INFORMATION:

APPLICANT: MORIKAWA, MINORU

TITLE OF INVENTION: GENE ENCODING IgG Fc REGION-BINDING

TITLE OF INVENTION: PROTEIN

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:

ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH

STREET: PO BOX 747

CITY: FALLS CHURCH

STATE: VA

COUNTRY: USA

ZIP: 22040-0747

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/718,388

FILING DATE:

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: MURPHY JR, GERALD M

REGISTRATION NUMBER: 28,977

REFERENCE/DOCKET NUMBER: 0230-111

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 205-8000

TELEFAX: (703) 205-8050

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 3661 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-08-718-388-5

Query Match

0.9%; Score 17; DB 3; Length 3661;

Best Local Similarity 100.0%; Pred. No. 1.5e+02;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 135 AGGCCACACATCTGCTG 151

DB 51 AGGCCACACATCTGCTG 35

Search completed: September 29, 2003, 14:55:26
Job time : 118.171 secs

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OM nucleic - nucleic search, using sw model

Run on: September 29, 2003, 14:39:34 ; Search time 49.1349 Seconds
(without alignments)
7366.135 Million cell updates/sec

Title: US-09-402-713A-4

Perfect score: 820

Sequence: 1 agaagctgcagtcagcaaaaa.....cattractattgttcaaa 820

Scoring table:

OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Database :

Issued_Patents_NA:*

- 1: /cgn2_6/ptodata/1/ina/5A.COMB.seq:*
- 2: /cgn2_6/ptodata/1/ina/5B.COMB.seq:*
- 3: /cgn2_6/ptodata/1/ina/6A.COMB.seq:*
- 4: /cgn2_6/ptodata/1/ina/6B.COMB.seq:*
- 5: /cgn2_6/ptodata/1/ina/PCrUS.COMB.seq:*
- 6: /cgn2_6/ptodata/1/ina/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	812	99.0	812	4	US-09-439-313-471
C 2	812	99.0	812	4	US-09-352-616A-471
C 3	724	88.3	2229	4	US-09-439-313-469
C 4	724	88.3	2229	4	US-09-352-616A-469
C 5	724	88.3	2426	4	US-09-439-313-470
C 6	724	88.3	2426	4	US-09-352-616A-470
C 7	724	88.3	3112	4	US-09-439-313-468
C 8	724	88.3	3112	4	US-09-352-616A-468
C 9	257	31.3	718	4	US-09-439-313-313
C 10	257	31.3	718	4	US-09-352-616A-313
C 11	179	21.8	301	4	US-09-232-149A-313
C 12	179	21.8	301	4	US-09-439-313-287
C 13	179	21.8	301	4	US-09-352-616A-287
C 14	179	21.8	301	4	US-09-232-149A-287
C 15	20	2.4	1664976	4	US-08-916-421B-1
C 16	19	2.3	161	1	US-08-450-834-3
C 17	18	2.2	4527	2	US-08-944-449-8
C 18	18	2.2	4527	2	US-09-353-362-8
C 19	18	2.2	8930	4	US-09-077-098A-1
C 20	18	2.2	17000	4	US-09-679-299A-18
C 21	17	2.1	590	4	US-09-364-206-25
C 22	17	2.1	831	1	US-08-450-834-5
C 23	17	2.1	1017	4	US-09-328-475C-104
C 24	17	2.1	2920	4	US-08-976-259-10
C 25	17	2.1	3247	4	US-08-718-388-4
C 26	17	2.1	3661	3	US-08-718-388-5
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28	17	2.1	5128	4	US-09-364-206-1
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C 34	17	2.1	36519	3	US-08-923-137-2
C 35	17	2.1	46718	4	US-09-816-093-3
C 36	17	2.1	64467	4	US-09-803-671B-3
C 37	17	2.1	1664976	4	US-08-916-421B-1
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C 40	16	2.0	89	2	US-08-379-482A-3
C 41	16	2.0	219	4	US-09-328-352D-2419
C 42	16	2.0	430	1	US-08-466-033-27
C 43	16	2.0	430	1	US-08-444-733-27
C 44	16	2.0	430	2	US-08-464-134-27
C 45	16	2.0	430	2	US-08-461-361-27
C 46	16	2.0	430	2	US-08-485-910-27
C 47	16	2.0	581	4	US-09-671-545A-1
C 48	16	2.0	658	4	US-09-671-545A-2
C 49	16	2.0	750	4	US-09-134-001C-2193
C 50	16	2.0	753	4	US-09-484-970B-88
C 51	16	2.0	792	4	US-09-221-017B-104
C 52	16	2.0	801	4	US-09-134-001C-2409
C 53	16	2.0	921	4	US-09-252-991A-3020
C 54	16	2.0	1001	4	US-09-641-638-620
C 55	16	2.0	1001	4	US-09-641-638-621
C 56	16	2.0	1020	4	US-09-252-991A-2779
C 57	16	2.0	1101	4	US-09-252-991A-2683
C 58	16	2.0	1107	4	US-09-328-352D-268
C 59	16	2.0	1212	4	US-09-134-001C-2399
C 60	16	2.0	1290	1	US-08-638-911A-55
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C 62	16	2.0	1314	4	US-08-648-736-1
C 63	16	2.0	1365	2	US-08-870-827-4
C 64	16	2.0	1365	4	US-09-317-179-4
C 65	16	2.0	1377	1	US-08-638-911A-38
C 66	16	2.0	1401	4	US-09-252-991A-2650
C 67	16	2.0	1418	4	US-09-705-289-15
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C 70	16	2.0	1498	4	US-09-479-645A-3
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C 72	16	2.0	1604	3	US-09-260-843-1
C 73	16	2.0	1604	4	US-09-923-654-1
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C 75	16	2.0	1896	4	US-09-134-001C-1006
C 76	16	2.0	2064	4	US-09-620-312D-326
C 77	16	2.0	2200	1	US-08-227-255-21
C 78	16	2.0	2200	5	PCT-US95-08565-21
C 79	16	2.0	2408	2	US-08-870-827-5
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C 81	16	2.0	2498	3	US-09-041-216-1
C 82	16	2.0	2598	4	US-09-771-467C-1
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C 87	16	2.0	3569	4	US-09-705-299-3
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C 93	16	2.0	5399	5	PCT-US93-02172-9
C 94	16	2.0	6405	1	US-09-281-481A-18
C 95	16	2.0	8438	1	US-07-945-283-1
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Sequence 234, Ap

ALIGNMENTS

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RESULT 1
US-09-439-313-471/c
; Sequence 471, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Ketter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-471
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Query Match 99.0%; Score 812; DB 4; Length 812;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 6 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGCTGCAGCCGAGGAGACCGAGAGA 65
DB 812 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGCTGCAGCCGAGGAGACCGAGAGA 753
QY 66 TCTGCATGGTGGGAAGAGCCTGATGATACAGAGGTGAGAAATAGAAAGCCTCTGACTT 125
DB 752 TCTGCATGGTGGGAAGAGCCTGATGATACAGAGGTGAGAAATAGAAAGCCTCTGACTT 693
QY 126 TACCATCTGAGGCCACACATCTGCTGAATGAGATTAATTAATCATCTAGAAACGCAA 185
DB 692 TACCATCTGAGGCCACACATCTGCTGAATGAGATTAATTAATCATCTAGAAACGCAA 633
QY 186 GATGACAATATAATGCTAAGTAGACATGTTTTGACATTTCCAGCCCTTTAAATA 245
DB 632 GATGACAATATAATGCTAAGTAGACATGTTTTGACATTTCCAGCCCTTTAAATA 573
QY 246 TCCACACACACAGGAAGCAAAAAGAGACAGAGATCCCTGGGAAATGCCGGCCG 305
DB 572 TCCACACACACAGGAAGCAAAAAGAGACAGAGATCCCTGGGAAATGCCGGCCG 513
QY 306 CCATCTTGGGTATCATGATGAGCCTCGCCCTGTGCTGTCGCCCTTGTGAGGAGAGACA 365
DB 512 CCATCTTGGGTATCATGATGAGCCTCGCCCTGTGCTGTCGCCCTTGTGAGGAGAGACA 453
QY 366 TAGAAATGAATGTGATGTTCTTAAAGGATGGGAGGAGAAACAGATCCTTTGTGA 425
DB 452 TTGAAATGAATGTGATGTTCTTAAAGGATGGGAGGAGAAACAGATCCTTTGTGA 393
QY 426 TATTTTGTGAAGGGATTAACAGATTTGAAATGAACTCACAAAGTAGAGCTTACCAATGA 485
DB 392 TATTTTGTGAAGGGATTAACAGATTTGAAATGAACTCACAAAGTAGAGCTTACCAATGA 333
QY 486 GAGGAAACAGAGAGAGAAATCTGATGGCTTCACAGACATCAACAAACAAATGGA 545
DB 332 GAGGAAACAGAGAGAGAAATCTGATGGCTTCACAGACATCAACAAACAAATGGA 273
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QY 546 TACTGTGATGACATGAGAGCAGCCAGCTGGGAGAGATTAACCGGGGAGAGGTCAG 605
DB 272 TACTGTGATGACATGAGAGCAGCCAGCTGGGAGAGAGATTAACCGGGGAGAGGTCAG 213
QY 606 GATTCTGGCCCTGCTGCTTAACCTGTGCTTCAATCAACAAATCATTTTCTTAACC 665
DB 212 GATTCTGGCCCTGCTGCTTAACCTGTGCTTCAATCAACAAATCATTTTCTTAACC 153
QY 666 CTCAAAACAAAGCTGTGTAATATCTGATCTACAGGTTCTTGGGCCCAACATCTTC 725
DB 152 CTCAAAACAAAGCTGTGTAATATCTGATCTACAGGTTCTTGGGCCCAACATCTTC 93
QY 726 CATATATCCAGCCACACTATTTTAAATATTTAGTTCCAGATCTGATGACCTTC 785
DB 92 CATATATCCAGCCACACTATTTTAAATATTTAGTTCCAGATCTGATGACCTTC 33
QY 786 TACACTGTAGATTAACATTAATCTGATTTGTTTC 817
DB 32 TACACTGTAGATTAACATTAATCTGATTTGTTTC 1
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RESULT 2

US-09-352-616A-471/c

; Sequence 471, Application US/09352616A

; Patent No. 6395278

; GENERAL INFORMATION:

; APPLICANT: Dillon, Davin C.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang, Yuqi

; APPLICANT: Xu, Jiangchun

; APPLICANT: Mitcham, Jennifer Lynn

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; FILE REFERENCE: 210121.427C8

; CURRENT APPLICATION NUMBER: US/09/352,616A

; CURRENT FILING DATE: 1999-07-13

; NUMBER OF SEQ ID NOS: 472

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 471

; LENGTH: 812

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-352-616A-471

Query Match 99.0%; Score 812; DB 4; Length 812;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 6 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGCTGCAGCCGAGGAGACCGAGAGA 65
DB 812 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGCTGCAGCCGAGGAGACCGAGAGA 753
QY 66 TCTGCATGGTGGGAAGAGCCTGATGATACAGAGGTGAGAAATAGAAAGCCTCTGACTT 125
DB 752 TCTGCATGGTGGGAAGAGCCTGATGATACAGAGGTGAGAAATAGAAAGCCTCTGACTT 693
QY 126 TACCATCTGAGGCCACACATCTGCTGAATGAGATTAATTAATCATCTAGAAACGCAA 185
DB 692 TACCATCTGAGGCCACACATCTGCTGAATGAGATTAATTAATCATCTAGAAACGCAA 633
QY 186 GATGACAATATAATGCTAAGTAGACATGTTTTGACATTTCCAGCCCTTTAAATA 245
DB 632 GATGACAATATAATGCTAAGTAGACATGTTTTGACATTTCCAGCCCTTTAAATA 573
QY 246 TCCACACACACAGGAAGCAAAAAGAGACAGAGATCCCTGGGAAATGCCGGCCG 305
DB 572 TCCACACACACAGGAAGCAAAAAGAGACAGAGATCCCTGGGAAATGCCGGCCG 513
QY 306 CCATCTTGGGTATCATGATGAGCCTCGCCCTGTGCTGTCGCCCTTGTGAGGAGAGACA 365
DB 512 CCATCTTGGGTATCATGATGAGCCTCGCCCTGTGCTGTCGCCCTTGTGAGGAGAGACA 453
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OY	366	TTAGAAATGATTCATGTCGCTCTAAAGATGGGACAGAAACAGATCTGTGGG	425
Db	452	TTGAGAAATGATTTATGTCTTAAAGATGGGACAGAAACAGATCTGTGGG	393
OY	426	TATTTATTTGAAACGGGATTTACAGATTTGAAAGAGTCAAAAGTAGCATTCACATGA	485
Db	392	TATTTATTTGAAACGGGATTTACAGATTTGAAAGAGTCAAAAGTAGCATTCACATGA	353
OY	486	GAGGAAACACAGACGAGAAATCTTGATGGCTTCACACAGCATGTCAACCAAAATGGAA	545
Db	332	GAGGAAACACAGACGAGAAATCTTGATGGCTTCACACAGCATGTCAACCAAAATGGAA	273
OY	546	TACTGTGATGACATGAGGACGCCAAGCTGGGGAGGATATACACGGGGCAGGGGTCA	605
Db	272	TACTGTGATGACATGAGGACGCCAAGCTGGGGAGGATATACACGGGGCAGGGGTCA	213
OY	606	GATTCGAGCCCTGCGCTTAAACTGTGCTTCATAACCAAAATCATTTATTTCTAAC	665
Db	212	GATTCGAGCCCTGCGCTTAAACTGTGCTTCATAACCAAAATCATTTATTTCTAAC	153
OY	666	CTCAAAACAAAGCTGTGTAATATGATCTACGCTCTCTCTGGGCCAACATCTTC	725
Db	152	CTCAAAACAAAGCTGTGTAATATGATCTACGCTCTCTCTGGGCCAACATCTTC	93
OY	726	CATAATATCCAGCACATCTATTTTAAATATTTAGTTCACAGATCTTACTGTACCTTC	785
Db	92	CATAATATCCAGCACATCTATTTTAAATATTTAGTTCACAGATCTTACTGTACCTTC	33
OY	786	TACACTGTAGAAATTAACATTACTCATTTTGTTC	817
Db	32	TACACTGTAGAAATTAACATTACTCATTTTGTTC	1

RESULT 3

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: Sequence 469, Application US/09439213
: Patent No. 6129505
:
: GENERAL INFORMATION:
:
: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang Yugu
: APPLICANT: Reed, Steven G.
: APPLICANT: Kalos, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Retter, Mark
: APPLICANT: Solk, John
: APPLICANT: Day, Craig
:
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
:
: FILE REFERENCE: 210121.42709
:
: CURRENT APPLICATION NUMBER: US/09/439,313
:
: CURRENT FILING DATE: 1999-11-12
:
: NUMBER OF SEQ ID NOS: 575
:
: SOFTWARE: FastSeq for Windows Version 3.0
:
: SEQ ID NO 469
:
: LENGTH: 2229
:
: TYPE: DNA
:
: ORGANISM: Homo sapiens
:
: US-09-439-313-469

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Query Match	88.3%	Score 724	DB 4	Length 2229
Best Local Similarity	100.0%	Pred. No. 0		
Matches 724	Conservative 0	Mismatches 0	Indels 0	Gaps 0

OY	97	AGGAGAGAAATAAAGAAAGCGCTGCACATTACATCTAGGCCCAACAATTCGGGAATG	156
Dd	1776	AGGTGAGAAATAAGAAAGCGCTGCACATTACATCTAGGCCCAACAATTCGGGAATG	1717
OY	157	GAGTAAATTAATCCTACTAGAACAGCAGAATGACAAATATATGTCTTAAGTAGTCATG	216
Dd	1716	GAGTAAATTAATCCTACTAGAACAGCAGAATGACAAATATATGTCTTAAGTAGTCATG	1657

OY	217	TTTTTGCACATTTCCAGGCCCTTTAAATATCCACACACAGGAAGCAAAAAGGAGA	276
Db	1656	TTTTTGCACATTTCCAGGCCCTTTAAATATCCACACACAGGAAGCAAAAAGGAGA	1599
OY	277	CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGTCAATGCATGAGCCCTCCCGTG	336
Db	1596	CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGTCAATGCATGAGCCCTCCCGTG	1533
OY	337	TGCCGTGTCCTGGCTTGTGAGGGAAGACATTTGAAAATGATGTATGTCTTCTTAAAG	396
Db	1536	TGCCGTGTCCTGGCTTGTGAGGGAAGACATTTGAAAATGATGTATGTCTTCTTAAAG	1473
OY	397	ATGGGACAGAAAACGATCTGTTGTGATATTTTGAACGGGATTACAGATTTGAAA	456
Db	1476	ATGGGACAGAAAACGATCTGTTGTGATATTTTGAACGGGATTACAGATTTGAAA	1411
OY	457	TGAAGTCACAAAAGTGAGCATTAACCAATGAGAGAAAACAGACGAGAAAATCTTGTAGT	516
Db	1416	TGAAGTCACAAAAGTGAGCATTAACCAATGAGAGAAAACAGACGAGAAAATCTTGTAGT	1357
OY	517	TCACAGACATGCAACCAAAAATGGAATACTGTGATGACATGAGGACCAACTCTGG	576
Db	1356	TCACAGACATGCAACCAAAAATGGAATACTGTGATGACATGAGGACCAACTCTGG	1299
OY	577	GAGGAGATTAACACGCGGCGACAGAGGTCAGAGATTCTGGCCCTGCTCAACTGTGCGTT	636
Db	1296	GAGGAGATTAACACGCGGCGACAGAGGTCAGAGATTCTGGCCCTGCTCAACTGTGCGTT	1233
OY	637	CATAACCAATATCATATTTCTTAACCCCTCAAAAABAAGCTGTTGTATATCTGCATCT	696
Db	1236	CATAACCAATATCATATTTCTTAACCCCTCAAAAABAAGCTGTTGTATATCTGCATCT	1177
OY	697	CTACGGTTCCTCTGGGGCCCAACATTTCTCATATATCCAGGCACACTATTTTATATTT	756
Db	1176	CTACGGTTCCTCTGGGGCCCAACATTTCTCATATATCCAGGCACACTATTTTATATTT	1111
OY	757	TAGTTCCAGATCTGTACTGTGACCTTCTACACTGTAGAAATACATTACTCATTTTGT	816
Db	1116	TAGTTCCAGATCTGTACTGTGACCTTCTACACTGTAGAAATACATTACTCATTTTGT	1057
OY	817	CAAA 820	
Db	1056	CAAA 1053	

RESULT 4

US-09-352-616A-469/C
Sequence 469, Application US/09352616A
Patent No. 6395278
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yugu
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.42768
CURRENT APPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-352-616A-469

Query Match	88.3%	Score 724	DB 4	Length 2229	
Best Local Similarity	100.0%	Pred. No.	0		
Matches 724	Conservative	0	Mismatches	0	Gaps 0

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QY 157 GAGATATTTAACTACTAGAAACAGCAAGATGACATATATATGTTCTAATAGTACATG 216
    |||||||
Db 1716 GAGATATTTAACTACTAGAAACAGCAAGATGACATATATATGTTCTAATAGTACATG 1657
QY 217 TTTTTCACATTTTCACAGCCCTTTAAATATCCACACACAGAGAGAGCAAAAGAGCA 276
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Db 1656 TTTTTCACATTTTCACAGCCCTTTAAATATCCACACACAGAGAGAGCAAAAGAGCA 1597
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Db 1596 CAGAGATCCCTGGGAGAAATGCCGGCCCATCTTGGTCAATGATGAGCCTCGCCCTG 1537
QY 337 TGCTGTGCTCCGCTTGTGAGGAGAGCATTAGAAATGAAATGATGTTCTCTTAAGG 396
    |||||||
Db 1536 TGCTGTGCTCCGCTTGTGAGGAGAGCATTAGAAATGAAATGATGTTCTCTTAAGG 1477
QY 397 ATGGGAGAGAAACAGATCCCTGTTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 456
    |||||||
Db 1476 ATGGGAGAGAAACAGATCCCTGTTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 1417
QY 457 TGAAGTCACAAAGTGAAGCATTACCAATGAGAGAGAAACAGACGAGAAATCTTGATGCT 516
    |||||||
Db 1416 TGAAGTCACAAAGTGAAGCATTACCAATGAGAGAGAAACAGACGAGAAATCTTGATGCT 1357
QY 517 TCACAGACATGACACAAACAAATGGAATGATGATGATGATGAGGAGAGGAGGAGG 576
    |||||||
Db 1356 TCACAGACATGACACAAACAAATGGAATGATGATGATGATGAGGAGAGGAGGAGG 1297
QY 577 GAGAGATTAACACAGGGGAGAGGATCTGAGATTTCTGGCCCTGCTTAACATGTCGCT 636
    |||||||
Db 1296 GAGAGATTAACACAGGGGAGAGGATCTGAGATTTCTGGCCCTGCTTAACATGTCGCT 1237
QY 637 CATACCAATATCTTTTCATATTTTCTAACCTCAAAACAAAGCTGTTGTAATCTGATCT 696
    |||||||
Db 1236 CATACCAATATCTTTTCATATTTTCTAACCTCAAAACAAAGCTGTTGTAATCTGATCT 1177
QY 697 CTACGGTTCCTTGGGGCCCAACATCTCCATATTCACAGCCACATCTTTTAATAT 756
    |||||||
Db 1176 CTACGGTTCCTTGGGGCCCAACATCTCCATATTCACAGCCACATCTTTTAATAT 1117
QY 757 TACTTCCAGATCTGATCTGTGACCTTTTACACTGTAGAAATTAACATTAATCTTTGTT 816
    |||||||
Db 1116 TACTTCCAGATCTGATCTGTGACCTTTTACACTGTAGAAATTAACATTAATCTTTGTT 1057
QY 817 CAAA 820
    ||||
Db 1056 CAAA 1053

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RESULT 5
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solik, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439, 313

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; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

Query Match      88.3%; Score 724; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATTAAGAAAGGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAATG 156
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Db 1776 AGGTGAGAAATTAAGAAAGGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAATG 1711
QY 157 GAGATATTTAACTACTAGAAACAGCAAGATGACATATATATGTTCTAATAGTACATG 216
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Db 1716 GAGATATTTAACTACTAGAAACAGCAAGATGACATATATATGTTCTAATAGTACATG 1651
QY 217 TTTTTCACATTTTCACAGCCCTTTAAATATCCACACACAGAGAGAGCAAAAGAGCA 276
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Db 1650 TTTTTCACATTTTCACAGCCCTTTAAATATCCACACACAGAGAGAGCAAAAGAGCA 1591
QY 277 CAGAGATCCCTGGGAGAAATGCCGGCCCATCTTGGTCAATGATGAGCCTCGCCCTG 336
    |||||||
Db 1590 CAGAGATCCCTGGGAGAAATGCCGGCCCATCTTGGTCAATGATGAGCCTCGCCCTG 1531
QY 337 TGCTGTGCTCCGCTTGTGAGGAGAGCATTAGAAATGAAATGATGTTCTCTTAAGG 396
    |||||||
Db 1530 TGCTGTGCTCCGCTTGTGAGGAGAGCATTAGAAATGAAATGATGTTCTCTTAAGG 1471
QY 397 ATGGGAGAGAAACAGATCCCTGTTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 456
    |||||||
Db 1470 ATGGGAGAGAAACAGATCCCTGTTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 1411
QY 457 TGAAGTCACAAAGTGAAGCATTACCAATGAGAGAGAAACAGACGAGAAATCTTGATGCT 516
    |||||||
Db 1410 TGAAGTCACAAAGTGAAGCATTACCAATGAGAGAGAAACAGACGAGAAATCTTGATGCT 1351
QY 517 TCACAGACATGACACAAACAAATGGAATGATGATGATGATGAGGAGAGGAGGAGG 576
    |||||||
Db 1350 TCACAGACATGACACAAACAAATGGAATGATGATGATGATGAGGAGAGGAGGAGG 1291
QY 577 GAGAGATTAACACAGGGGAGAGGATCTGAGATTTCTGGCCCTGCTTAACATGTCGCT 636
    |||||||
Db 1290 GAGAGATTAACACAGGGGAGAGGATCTGAGATTTCTGGCCCTGCTTAACATGTCGCT 1231
QY 637 CATACCAATATCTTTTCATATTTTCTAACCTCAAAACAAAGCTGTTGTAATCTGATCT 696
    |||||||
Db 1230 CATACCAATATCTTTTCATATTTTCTAACCTCAAAACAAAGCTGTTGTAATCTGATCT 1171
QY 697 CTACGGTTCCTTGGGGCCCAACATCTCCATATTCACAGCCACATCTTTTAATAT 756
    |||||||
Db 1170 CTACGGTTCCTTGGGGCCCAACATCTCCATATTCACAGCCACATCTTTTAATAT 1111
QY 757 TACTTCCAGATCTGATCTGTGACCTTTTACACTGTAGAAATTAACATTAATCTTTGTT 816
    |||||||
Db 1110 TACTTCCAGATCTGATCTGTGACCTTTTACACTGTAGAAATTAACATTAATCTTTGTT 1051
QY 817 CAAA 820
    ||||
Db 1050 CAAA 1047

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RESULT 6
US-09-352-616A-470/c
; Sequence 470, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang, Yugu
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 470
LENGTH: 2426
TYPE: DNA
ORGANISM: Homo sapiens
US-09-352-616A-470

Query Match 88.3%; Score 724; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATTAAGAAAGGCTGCTGACTTTCACATCTGAGGCCACACATCTGCTGAATG 156
DB 1770 AGGTGAGAAATTAAGAAAGGCTGCTGACTTTCACATCTGAGGCCACACATCTGCTGAATG 1711
QY 157 GAGATTAATTAACATCAGTAAAGACAGAGATGACAAATATATGCTAAGTAGTACATG 216
DB 1710 GAGATTAATTAACATCAGTAAAGACAGAGATGACAAATATATGCTAAGTAGTACATG 1651
QY 217 TTTTTCACATTTTCAGCCCTTTAAATATCCACACACAGAGAACCAAAAGAGACA 276
DB 1650 TTTTTCACATTTTCAGCCCTTTAAATATCCACACACAGAGAACCAAAAGAGACA 1591
QY 277 CAGAGATCCCGGAGAAATCCCGCCGACATCTGGGTATGATGATGATGATGATGATGATG 336
DB 1580 CAGAGATCCCGGAGAAATCCCGCCGACATCTGGGTATGATGATGATGATGATGATGATG 1531
QY 337 TGCCGTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 396
DB 1530 TGCCGTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1471
QY 397 ATGGGACAGAAACAGATCCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 456
DB 1470 ATGGGACAGAAACAGATCCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1411
QY 457 TGAAGTCAAAAGTGAAGATTAACCAATGAGAGAAACAGAGAAATCTTGATGCT 516
DB 1410 TGAAGTCAAAAGTGAAGATTAACCAATGAGAGAAACAGAGAAATCTTGATGCT 1351
QY 517 TCACAGACATGCAAAACAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATG 576
DB 1350 TCACAGACATGCAAAACAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATG 1291
QY 577 GAGAGATTAACACAGGGGACAGAGGTCAGATTTGCGCCCTGCTGCTGCTGCTGCTGCTGCTG 636
DB 1290 GAGAGATTAACACAGGGGACAGAGGTCAGATTTGCGCCCTGCTGCTGCTGCTGCTGCTGCTG 1231
QY 637 CATTAACCAATCATTTTCATATTTCTTAACCTCAAAACAAAGCTGTTGTAATATCGATCT 696
DB 1230 CATTAACCAATCATTTTCATATTTCTTAACCTCAAAACAAAGCTGTTGTAATATCGATCT 1171
QY 697 CTACGGTCTCTTGCGCCCAACATCTCATATATTCAGCCACACTGATTTTAAATAT 756
DB 1170 CTACGGTCTCTTGCGCCCAACATCTCATATATTCAGCCACACTGATTTTAAATAT 1111
QY 757 TAGTTCACAGATCTGATCTGACCTTTCTACATGTAATTAACATTAATCTGCTGCTGCTGCTG 816
DB 1110 TAGTTCACAGATCTGATCTGACCTTTCTACATGTAATTAACATTAATCTGCTGCTGCTGCTG 1051
QY 817 CAAA 820
DB 1050 CAAA 1047

RESULT 7
US-09-439-313-468
Sequence 468; Application US/09439313
Patent No. 6329505

GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang Yugu
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 468
LENGTH: 3112
TYPE: DNA
ORGANISM: Homo sapiens
US-09-439-313-468

Query Match 88.3%; Score 724; DB 4; Length 3112;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATTAAGAAAGGCTGCTGACTTTCACATCTGAGGCCACACATCTGCTGAATG 156
DB 1312 AGGTGAGAAATTAAGAAAGGCTGCTGACTTTCACATCTGAGGCCACACATCTGCTGAATG 1371
QY 157 GAGATTAATTAACATCAGTAAAGACAGAGATGACAAATATATGCTAAGTAGTACATG 216
DB 1372 GAGATTAATTAACATCAGTAAAGACAGAGATGACAAATATATGCTAAGTAGTACATG 1431
QY 217 TTTTTCACATTTTCAGCCCTTTAAATATCCACACACAGAGAACCAAAAGAGACA 276
DB 1432 TTTTTCACATTTTCAGCCCTTTAAATATCCACACACAGAGAACCAAAAGAGACA 1491
QY 277 CAGAGATCCCGGAGAAATCCCGCCGACATCTGGGTATGATGATGATGATGATGATGATGATG 336
DB 1492 CAGAGATCCCGGAGAAATCCCGCCGACATCTGGGTATGATGATGATGATGATGATGATGATG 1551
QY 337 TGCCGTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 396
DB 1552 TGCCGTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1611
QY 397 ATGGGACAGAAACAGATCCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 456
DB 1612 ATGGGACAGAAACAGATCCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1671
QY 457 TGAAGTCAAAAGTGAAGATTAACCAATGAGAGAAACAGAGAAATCTTGATGCT 516
DB 1672 TGAAGTCAAAAGTGAAGATTAACCAATGAGAGAAACAGAGAAATCTTGATGCT 1731
QY 517 TCACAGACATGCAAAACAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATG 576
DB 1732 TCACAGACATGCAAAACAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATG 1791
QY 577 GAGAGATTAACACAGGGGACAGAGGTCAGATTTGCGCCCTGCTGCTGCTGCTGCTGCTGCTG 636
DB 1792 GAGAGATTAACACAGGGGACAGAGGTCAGATTTGCGCCCTGCTGCTGCTGCTGCTGCTGCTG 1851
QY 637 CATTAACCAATCATTTTCATATTTCTTAACCTCAAAACAAAGCTGTTGTAATATCGATCT 696
DB 1852 CATTAACCAATCATTTTCATATTTCTTAACCTCAAAACAAAGCTGTTGTAATATCGATCT 1911

OY		697	CNAGGTCCTCCTGGGCCCAACATCTCCATAATACCAGCACACTATTTTAATAT	756
Dd		1912	CTACGGTTCCTTGCGGCACAACATCTCCAATATCCAGCCACACTATTTTTAAATAT	1971
OY		757	TAGTCCCAGATCTAGCTGTACCTTCTTAACAGTAGAATAAACATTACCATTTGTT	816
Dd		1972	TAGTTCCCAGATCTGTACTGTACCTTCTTAACACTGTAGAATAAACATTACTATTTGTT	2033
OY		817	CANA 820 	
Dd		2032	CANA 2035	
RESULT 8				
		US-09-352-616A--468		
		; Sequence 468, Application US/09352616A		
		; Patent No. 6395278		
		: GENERAL INFORMATION:		
		: APPLICANT: Dillon, Davin C.		
		: APPLICANT: Harlocker, Susan Louise		
		: APPLICANT: Jiang, Yuhui		
		: APPLICANT: Xu, Jlangchun		
		: APPLICANT: Mitcham, Jennifer Lynn		
		: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS		
		: TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE		
		: FILE REFERENCE: 210121.427CB		
		: CURRENT APPLICATION NUMBER: US/09/352,616A		
		: CURRENT FILING DATE: 1999-07-13		
		: NUMBER OF SEQ ID NOS: 472		
		: SOFTWARE: FASTSEQ for Windows Version 3.0		
		: SEQ ID NO 468		
		: LENGTH: 3112		
		: TYPE: DNA		
		: ORGANISM: Homo sapiens		
		US-09-352-616A-468		
		Query Match	88.3%; Score 724; DB 4; Length 3112;	
		Best Local Similarity	100.0%; Pred. No. 0;	
		Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;		
OY		97	AGGTGAAGAAATAGAAAAGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAATG	156
Dd		1312	AGGTGAGAAATAGAAAAAGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAATG	1371
OY		157	GAGATTAATTAACATCACTAGAAAGACGAAGATGACATATATATGTCTAAGTAGACATG	216
Dd		1372	GAGATTAATTAACATCACTAGAAAGACGAAGATGACATATATATGTCTAAGTAGACATG	1431
OY		217	TTTTTGCACATTTCCAGCCCCCTTTAATATATCCACACACAGGAAGCAAAGGAAGCA	276
Dd		1432	TTTTTGCACATTTCCAGCCCCCTTTAATATATCCACACACAGGAAGCAAAGGAAGCA	1491
OY		277	CAGAGATCCCGGGAGAAATCCCGGCCCATCTTGGGTATGATGATGAGCCTGGCCTG	336
Dd		1492	CAGAGATCCCGGGAGAAATCCCGGCCCATCTTGGGTATGATGATGAGCCTGGCCTG	1551
OY		337	TGCTGTGCTCCGCTTGAGAGGAAGGACATTAGAAAATGAATTAATGTTCTTAAAG	396
Dd		1552	TGCTGTGCTCCGCTTGAGAGGAAGGACATTAGAAAATGAATTAATGTTCTTAAAG	1611
OY		397	ATGGGACAGAAAACAGATCCTGTTGTGATATTTATTTGAAGGGGATTACGATTTGAA	456
Dd		1612	ATGGGACAGAAAACAGATCCTGTTGTGATATTTATTTGAAGGGGATTACGATTTGAA	1671
OY		457	TGAAGTCAACAAGTGAGCATTTACCAATGAGAGGAAAAACAGCGAGAAATCTTATGGCT	516
Dd		1672	TGAAGTCAACAAGTGAGCATTTACCAATGAGAGGAAAAACAGCGAGAAATCTTATGGCT	1731
OY		517	TCACAACAACATGCAACAACAAATATGATATCTGTGATGATATGAGGAGCCAAAGCTGGG	576
Dd		1732	TCACAACAACATGCAACAACAAATATGATATCTGTGATGATATGAGGAGCCAAAGCTGGG	1791
OY		577	GAGGAGATTAACACAGGGGACAGGGGTAGATTTGTGCCCCCTGCTCTAAACTGTGGTT	636

Db	Sequence	Score	DB 4	Length	718	Mismatches	Indels	Gaps
Db	1732 GAGGAGATPACACCGGGGCGAGGGGTCAAGATTCTGGCCCTCTGCTTAACTGTGCGTT	1851						
QY	637 CATACCAAAATCATTTTCATATTCTTACCCCTCAAAAAGAGCTGTTGAATATCGAGCT	696						
Db	1852 CATACCAAAATCATTTTCATATTCTTACCCCTCAAAAAGAGCTGTTGAATATCGAGCT	1911						
QY	697 CTACGGTTCCTTCGGGGCCCAACATCTTCATATATCCAGCCACACTATTTTAAATAT	756						
Db	1912 CTACGGTTCCTTCGGGGCCCAACATCTTCATATATCCAGCCACACTATTTTAAATAT	1973						
QY	757 TAGTCCCAATCTGTACTGTGACCTTCTTACACGTGTAATATACCTTACTCATTTGTT	816						
Db	1972 TAGTCCCAATCTGTACTGTGACCTTCTTACACGTGTAATATACCTTACTCATTTGTT	2033						
QY	817 CAAA 820							
Db	2032 CAAA 2035							
RESULT 9								
US-09-439-313-313								
; Sequence 313, Application US/09439313								
; Patent No. 6329505								
; GENERAL INFORMATION:								
; APPLICANT: Xu, Jiangchun								
; APPLICANT: Dillon, Davin C.								
; APPLICANT: Mitcham, Jennifer L.								
; APPLICANT: Harlocker, Susan Louise								
; APPLICANT: Jjiang Yuyuli								
; APPLICANT: Reed, Steven G.								
; APPLICANT: Kalos, Michael								
; APPLICANT: Fanger, Gary								
; APPLICANT: Relfer, Mark								
; APPLICANT: Solk, John								
; APPLICANT: Day, Craig								
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND								
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER								
; FILE REFERENCE: 210121.427C9								
; CURRENT FILING DATE: US/09/439,313								
; NUMBER OF SEQ ID NOS: 575								
; SOFTWARE: FastSeq for Windows Version 3.0								
; SEQ ID NO 313								
; LENGTH: 718								
; TYPE: DNA								
; ORGANISM: Homo sapien								
; FEATURE:								
; NAME/KEY: misc_feature								
; LOCATION: (1)...(718)								
; OTHER INFORMATION: n = A,T,C or G								
US-09-439-313-313								

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NAME/KEY: misc.feature
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1096846)..(1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1119881)..(1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1130881)..(1130881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1310988)..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1313224)..(1313224)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1349491)..(1349491)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1470091)..(1470091)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1569020)..(1569020)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1602912)..(1602912)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1603734)..(1603734)
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NAME/KEY: misc.feature
LOCATION: (1637998)..(1637998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc.feature
LOCATION: (1664854)..(1664854)
OTHER INFORMATION: n equals a, t, c, or g
us-08-916-421B-1

Query Match 2.4% Score 20; DB 4; Length 1664976;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      740 CACTCATTTTAAATTTAG 759
DB      1520938 CACTCATTTTAAATTTAG 1520957

RESULT 16
US-08-450-834-3/C
; Sequence 3, Application US/08450834
; Patent No. 5773705
; GENERAL INFORMATION:
; APPLICANT: Vierstra, Richard D
; APPLICANT: Hondred, David
; APPLICANT: Callis, Judy
; TITLE OF INVENTION: Ubiquitin Fusion Protein System for
; TITLE OF INVENTION: Protein Production in Plants
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: P.O. Box 2113
; CITY: Madison
; STATE: WI
; COUNTRY: USA
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,834
; FILING DATE: 25-MAY-1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/999,709
; FILING DATE: 31-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J
; REGISTRATION NUMBER: 27,386
; REFERENCE/DOCKET NUMBER: 960296.92425
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 161 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; IMMEDIATE SOURCE:
; CLONE: UBO-BT
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 4..9
; OTHER INFORMATION: /function= "Hind III restriction
; OTHER INFORMATION: site"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 47..52
; OTHER INFORMATION: /function= "Bgl II restriction
; OTHER INFORMATION: site"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 58..64
; OTHER INFORMATION: /product= "Eae I restriction site"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 110..116
; OTHER INFORMATION: /function= "Sac II restriction
; OTHER INFORMATION: site"
; FEATURE:

```

```

; NAME/KEY: misc_feature
; LOCATION: 146..152
; OTHER INFORMATION: /function= "Nsi I restriction site"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 153..158
; OTHER INFORMATION: /function= "Sal I restriction site"
; US-08-450-834-3

Query Match      2.3%; Score 19; DB 1; Length 161;
Best Local Similarity 100.0%; Pred. No. 3.1;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      59 AGGAGATCTGCATGTGTG 77
DB      56 AGGAGATCTGCATGTGTG 38

RESULT 17
US-08-944-449-8
; Sequence 8, Application US/08944449
; Patent No. 5985613
; GENERAL INFORMATION:
; APPLICANT: KURTH, REINHARD
; APPLICANT: BAUER, MICHAEL
; APPLICANT: METZNER, KARIN
; APPLICANT: WERNER, ALBRECHT
; TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
; TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of
; TITLE OF INVENTION: viruses, particularly of retroviruses
; FILE REFERENCE: 8341-7065
; CURRENT APPLICATION NUMBER: US/08/944,449
; CURRENT FILING DATE: 1997-10-06
; EARLIER APPLICATION NUMBER: EP 95113013.2
; EARLIER FILING DATE: 1995-08-18
; EARLIER APPLICATION NUMBER: DE 195 13 152.5
; EARLIER FILING DATE: 1995-04-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 8
; LENGTH: 4527
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus type 1
; US-08-944-449-8

Query Match      2.2%; Score 18; DB 2; Length 4527;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      48 CGAGGAGACCGAGAGA 65
DB      489 CGAGGAGACCGAGAGA 506

RESULT 18
US-09-353-362-8
; Sequence 8, Application US/09353362
; Patent No. 6383739
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
; TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of viruses,
; TITLE OF INVENTION: in particular of retroviruses
; NUMBER OF SEQUENCES: 8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30B (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/353,362
; FILING DATE: 15-JUL-1999
; CLASSIFICATION:

```


PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 195 13 152.5
FILING DATE: 07-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95113013.2
FILING DATE: 18-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: KLESNER, Sharon N.
REGISTRATION NUMBER: 36,335
REFERENCE/DOCKET NUMBER: P8341-9012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 638-5000
TELEFAX: (202) 638-4810
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 4527 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-353-362-8

Query Match 2.2%; Score 18; DB 4; Length 4527;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 48 CGAGGAGACGACGAGAAGA 65
|||||
DB 489 CGAGGAGACGACGAGAAGA 506

RESULT 19
US-09-077-098A-1
Sequence 1, Application US/09077098A
Patent No. 6544519
GENERAL INFORMATION:
APPLICANT: TOKUNAGA, Eiji
MATSUO, Kazuo
HAMADA, Fukusaburo
TOKIYOSHI, Sachio
TITLE OF INVENTION: NOVEL POLYPEPTIDE FROM HAEMOPHILUS
PARAGALLINARUM AND PROCESS FOR PREPARING THE SAME
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 624 Ninth Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077,098A
FILING DATE: 19-May-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP97/03222
FILING DATE: 12-SEP-1997
APPLICATION NUMBER: JP 27,148/1996
FILING DATE: 19-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: KORNBAU, Anne M.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: TOKUNAGA-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 8930 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
ORIGINAL SOURCE:
FEATURE:
NAME/KEY: CDS
LOCATION: 8374..8929
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-077-098A-1

Query Match 2.2%; Score 18; DB 4; Length 8930;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 739 ACACGATTTTAAATAT 756
|||||
DB 207 ACACGATTTTAAATAT 224

RESULT 20
US-09-679-299A-18/C
Sequence 18, Application US/09679299A
Patent No. 6566135
GENERAL INFORMATION:
APPLICANT: Vickie L. Brown-Driver
APPLICANT: Hong Zhang
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 6 EXPRESSION
FILE REFERENCE: RUS-0187
CURRENT APPLICATION NUMBER: US/09/679,299A
CURRENT FILING DATE: 2000-10-04
NUMBER OF SEQ ID NOS: 164
SEQ ID NO 18
LENGTH: 17000
TYPE: DNA
ORGANISM: Homo sapiens
US-09-679-299A-18

Query Match 2.2%; Score 18; DB 4; Length 17000;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 439 GGGATTACGATTGAAA 456
|||||
DB 9511 GGGATTACGATTGAAA 9494

RESULT 21
US-09-364-206-25
Sequence 25, Application US/09364206
Patent No. 6475752
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Tang, Y. Tom
APPLICANT: Baugh, Mariah R.
APPLICANT: Kaser, Matthew R.
TITLE OF INVENTION: Mammalian Imidazoline Receptor
FILE REFERENCE: PC-0006 US
CURRENT APPLICATION NUMBER: US/09/364,206
CURRENT FILING DATE: 1999-07-30
NUMBER OF SEQ ID NOS: 47
SOFTWARE: PERL Program
SEQ ID NO 25
LENGTH: 590
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: unsure
LOCATION: 461,517,526,535,536,561
OTHER INFORMATION: a or g or c or t, unknown, or other

FEATURE:
NAME/KEY:
OTHER INFORMATION: 1886951F6
PUBLICATION INFORMATION:
US-09-364-206-25

Query Match 2.1%; Score 17; DB 4; Length 590;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 CTGCATCAGAAACA 22
118 CTGCATCAGAAACA 134

Db 118 CTGCATCAGAAACA 134

RESULT 22
US-08-450-834-5/c
Sequence 5, Application US/08450834
Patent No. 5773705

GENERAL INFORMATION:
APPLICANT: Vlerstra, Richard D
APPLICANT: Hondred, David
APPLICANT: Callis, Judy
TITLE OF INVENTION: Ubiquitin Fusion Protein System for
NUMBER OF INVENTION: Protein Production in Plants
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: P.O. Box 2113
City: Madison
STATE: WI
COUNTRY: USA
ZIP: 53701-2113

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,834
FILING DATE: 25-MAY-1995
CLASSIFICATION: 800

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/999,709
FILING DATE: 31-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296,92425
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 831 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: 35S/AMV/UBQ11/UBQ-GUS

FEATURE:
NAME/KEY: CDS
LOCATION: 503..730

FEATURE:
NAME/KEY: promoter
LOCATION: 1..502

FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..6

OTHER INFORMATION: /function- "Eco RI restriction

OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 7..12
OTHER INFORMATION: /function- "Sac I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 13..18
OTHER INFORMATION: /function- "Kpn I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 16..24
OTHER INFORMATION: /function- "Apa I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 464..469
OTHER INFORMATION: /function- "Hind III restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 720..726
OTHER INFORMATION: /function- "Sac II restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 819..825
OTHER INFORMATION: /function- "Hcl I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 826..831
OTHER INFORMATION: /function- "Xba I restriction site"
US-08-450-834-5

Query Match 2.1%; Score 17; DB 1; Length 831;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 61 GAAGATCTGCGATGG 77
514 GAAGATCTGCGATGG 498

Db 514 GAAGATCTGCGATGG 498

RESULT 23
US-09-328-475C-104/c
Sequence 104, Application US/09328475C
Patent No. 6476207

GENERAL INFORMATION:
APPLICANT: Zhang, Jimmy
APPLICANT: Astel, Jon H.
APPLICANT: Carroll III, Eddie
APPLICANT: Endege, Wilson O.
APPLICANT: Ford, Donna M.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
TITLE OF INVENTION: GENES AND GENE EXPRESSION PRODUCTS THAT
FILE REFERENCE: 1532,002/200130,463
CURRENT APPLICATION NUMBER: US/09/328,475C
CURRENT FILING DATE: 1999-06-09
NUMBER OF SEQ ID NOS: 341
SOFTWARE: FastSeq for windows Version 3.0
SEQ ID NO 104
LENGTH: 1017
TYPE: DNA
ORGANISM: Homo Sapien

FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1017)
OTHER INFORMATION: n = A,T,C or G
US-09-328-475C-104

Query Match 2.1%; Score 17; DB 4; Length 1017;

Best Local Similarity 100.0%; Pred. No. 39;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 536 CAAATGCAATCTGTC 552
Db 170 CAAATGCAATCTGTC 154

RESULT 24

US-08-976-259-10/C
Sequence 10, Application US/08976259
Patent No. 6316609
GENERAL INFORMATION:
APPLICANT: Dillon, Patrick J.
APPLICANT: Choi, Gil H.
APPLICANT: Welch, Rodney A.
TITLE OF INVENTION: Nucleotide Sequence of Escherichia coli
Patent No. 6316609
NUMBER OF SEQUENCES: 142
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Ave, N.W., Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/976,259
FILING DATE: Herewith
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/031,626 AND US 60/061,953
ATTORNEY/AGENT INFORMATION:
NAME: Steffe, Eric K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488, 0740002/EKS/CBM
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 2920 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-976-259-10

Query Match 2.1%; Score 17; DB 4; Length 2920;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 4 AGCTGCATCAGAAAA 20
Db 2421 AGCTGCATCAGAAAA 2405

RESULT 25
US-08-718-388-4/C
Sequence 4, Application US/08718388
Patent No. 6271362
GENERAL INFORMATION:
APPLICANT: MORIKAWA, MINORU
APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE ENCODING IGG FC REGION-BINDING
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH

STREET: PO BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/718,388
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 0230-111
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 3247 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-718-388-4

Query Match 2.1%; Score 17; DB 3; Length 3247;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 135 AGGCCACACATCTGCTG 151
Db 2721 AGGCCACACATCTGCTG 2705

RESULT 26
US-08-718-388-5/C
Sequence 5, Application US/08718388
Patent No. 6271362
GENERAL INFORMATION:
APPLICANT: MORIKAWA, MINORU
APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE ENCODING IGG FC REGION-BINDING
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
STREET: PO BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/718,388
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 0230-111
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 3661 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-718-388-5

Query Match 2.1%; Score 17; DB 3; Length 3661;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 135 AGGCACACATCTGCTG 151
Db 51 AGGCACACATCTGCTG 35

RESULT 27
US-08-793-331-5/C
Sequence 5, Application US/08793331
Patent No. 6071877
GENERAL INFORMATION:
APPLICANT: DELECLUSE, ARMELE
APPLICANT: THIERY, ISABELLE
TITLE OF INVENTION: NEW POLYPEPTIDES HAVING A TOXIC ACTIVITY AGAINST
FILE REFERENCE: 0660-0116-0 PCT
CURRENT APPLICATION NUMBER: US/08/793,331
CURRENT FILING DATE: 1997-05-13
EARLIER APPLICATION NUMBER: PCT/FR95/01116
EARLIER FILING DATE: 1995-08-24
EARLIER APPLICATION NUMBER: FR 94/10299
EARLIER FILING DATE: 1994-08-25
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 3675
TYPE: DNA
ORGANISM: B. thuringiensis ser. jegathesan
US-08-793-331-5

Query Match 2.1%; Score 17; DB 3; Length 3675;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 192 AATATATGTCTAGTA 208
Db 555 AATATATGTCTAGTA 539

RESULT 28
US-09-364-206-1
Sequence 1, Application US/09364206
Patent No. 6475752
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Tang, Y. Tom
APPLICANT: Baugh, Mariah R.
APPLICANT: Kaser, Matthew R.
TITLE OF INVENTION: Mammalian Imidazole Receptor
FILE REFERENCE: PC-0006 US
CURRENT APPLICATION NUMBER: US/09/364,206
CURRENT FILING DATE: 1999-07-30
NUMBER OF SEQ ID NOS: 47
SOFTWARE: Perl Program
SEQ ID NO 1
LENGTH: 5128
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY:
OTHER INFORMATION: 129581CB1
PUBLICATION INFORMATION:

US-09-364-206-1

Query Match 2.1%; Score 17; DB 4; Length 5128;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CTGGCATCAGAAAAACA 22
Db 3639 CTGGCATCAGAAAAACA 3655

RESULT 29
US-09-374-454-20
Sequence 20, Application US/09374454
Patent No. 6395548
GENERAL INFORMATION:
APPLICANT: Lee, Mi-Ep
APPLICANT: Maemura, Koji
APPLICANT: Hsieh, Chung-Ming
TITLE OF INVENTION: METHODS OF MODULATING OF ANGIOGENESIS
FILE REFERENCE: 05433/037001
CURRENT APPLICATION NUMBER: US/09/374,454
CURRENT FILING DATE: 1999-08-13
EARLIER APPLICATION NUMBER: US 60/096,515
EARLIER FILING DATE: 1998-08-14
NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 20
LENGTH: 6792
TYPE: DNA
ORGANISM: Homo sapiens
US-09-374-454-20

Query Match 2.1%; Score 17; DB 4; Length 6792;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 AATATTTAGTTCACAGA 767
Db 6101 AATATTTAGTTCACAGA 6117

RESULT 30
US-08-718-388-6/C
Sequence 6, Application US/08718388
Patent No. 6271362
GENERAL INFORMATION:
APPLICANT: MORIKAWA, MINORU
APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE ENCODING Igg FC REGION-BINDING
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
STREET: PO BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/718,388
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 0230-111
TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 7824 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 21..7802
US-08-718-388-6

Query Match 2.1%; Score 17; DB 3; Length 7824;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 135 AGGCACACATCTGCTG 151
|||||
Db 4186 AGGCACACATCTGCTG 4170

RESULT 31
US-09-620-312D-75
Sequence 75, Application US/09620312D
PATENT No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyun
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yungqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinbush
APPLICANT: Drmanac, Radote F.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: PL_FL_genes Version 1.0
SEQ ID NO 75
LENGTH: 13857
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(13857)
US-09-620-312D-75

Query Match 2.1%; Score 17; DB 4; Length 13857;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 331 GCCTGTGCTGCTGCC 347
|||||
Db 5293 GCCTGTGCTGCTGCC 5309

RESULT 32
US-08-922-635-21
Sequence 21, Application US/08922635A
Patent No. 6033871
GENERAL INFORMATION:
APPLICANT: PILETZ, John E.
APPLICANT: IVANOV, Tina R.
TITLE OF INVENTION: DNA MOLECULES ENCODING IMIDALINE RECEPTIVE POLYPEPTIDES
FILE REFERENCE: Corrected Sequence Listing
Patent No. 6033871
CURRENT APPLICATION NUMBER: US/08/922,635A
CURRENT FILING DATE: 1997-09-03
EARLIER APPLICATION NUMBER: 08/650,766
EARLIER FILING DATE: 1996-05-20
EARLIER APPLICATION NUMBER: 60/012,600
EARLIER FILING DATE: 1996-03-01
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 21
LENGTH: 15202
TYPE: DNA
ORGANISM: Homo sapiens
US-08-922-635-21

Query Match 2.1%; Score 17; DB 3; Length 15202;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 CTGCATCAGAAAACA 22
|||||
Db 11927 CTGCATCAGAAAACA 11943

RESULT 33
US-08-718-388-8/c
Sequence 8, Application US/08718388
Patent No. 6271362
GENERAL INFORMATION:
APPLICANT: MORIKAWA, MINORU
APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE ENCODING Igg Fc REGION-BINDING
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
STREET: PO BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/718,388
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 0230-111
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8050
TELEFAX: (703) 205-8050
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 16382 base pairs
TYPE: nucleic acid
STRANDEDNESS: double

TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 9..16223
US-08-718-388-8

Query Match 2.1%; Score 17; DB 3; Length 16382;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 135 AGCCACACATCTGCTG 151
|||||
DB 4174 AGCCACACATCTGCTG 4158

RESULT 34
US-08-923-137-2
Sequence 2, Application US/08923137
Patent No. 6083716
GENERAL INFORMATION:

APPLICANT: Wilson, James M.
APPLICANT: Farina, Steven F.
APPLICANT: Fisher, Krishna J.
TITLE OF INVENTION: Chimpanzee Adenovirus Vectors
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr., P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: United States of America
ZIP: 19477
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/923,137
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/024,700
FILING DATE: 06-SEP-1996
ATTORNEY/AGENT INFORMATION:

NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: GNVN.021CIPUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9200
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 36519 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: CDNA
US-08-923-137-2

Query Match 2.1%; Score 17; DB 3; Length 36519;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 161 TAATTAACATCACTAGA 177
|||||
DB 28815 TAATTAACATCACTAGA 28831

RESULT 35
US-09-816-093-3
Sequence 3, Application US/09816093

Patent No. 6518055
GENERAL INFORMATION:
APPLICANT: GAN, Weidun et al
TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
FILE REFERENCE: CL001182
CURRENT APPLICATION NUMBER: US/09/816,093
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 46718
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(46718)
OTHER INFORMATION: n = A,T,C or G
US-09-816-093-3

Query Match 2.1%; Score 17; DB 4; Length 46718;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 745 ATTTTAATTAATTAGTT 761
|||||
DB 30015 ATTTTAATTAATTAGTT 30031

RESULT 36
US-09-803-671B-3
Sequence 3, Application US/09803671B
Patent No. 6582946
GENERAL INFORMATION:
APPLICANT: WEBSTER, Marion et al
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
FILE REFERENCE: CL001161
CURRENT APPLICATION NUMBER: US/09/803,671B
CURRENT FILING DATE: 2001-03-12
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 64467
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(64467)
OTHER INFORMATION: n = A,T,C or G
US-09-803-671B-3

Query Match 2.1%; Score 17; DB 4; Length 64467;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 446 CAGATTGGAATGAAGT 462
|||||
DB 27726 CAGATTGGAATGAAGT 27742

RESULT 37
US-08-916-421B-1/C
Sequence 1, Application US/08916421B
Patent No. 6503729
GENERAL INFORMATION:
APPLICANT: Bult et al
TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methano
Patent No. 6503729
TITLE OF INVENTION: Jannaschil
FILE REFERENCE: PB275

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CURRENT APPLICATION NUMBER: US/08/916,421B
CURRENT FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: US 60/024,428
PRIOR FILING DATE: 1996-08-22
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 1664976
TYPE: DNA
ORGANISM: Methanococcus jannaschii
FEATURE:
NAME/KEY: misc_feature
LOCATION: (28222)..(28222)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (28257)..(28258)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84773)..(84773)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84808)..(84808)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98120)..(98120)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98159)..(98159)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98239)..(98239)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98266)..(98266)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98343)..(98343)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (103998)..(103998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (148948)..(148948)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (163385)..(163385)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191899)..(191899)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191995)..(191995)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (231980)..(231980)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (23187)..(23187)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234220)..(234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234814)..(234814)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309398)..(309398)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309418)..(309418)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312837)..(312837)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312993)..(312993)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (319226)..(319226)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559241)..(559241)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (600992)..(600992)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (622708)..(622708)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657081)..(657081)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657203)..(657203)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (674435)..(674435)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (682442)..(682442)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (713652)..(713652)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (741684)..(741684)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779455)..(779455)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779676)..(779676)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (855539)..(855539)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (871619)..(871619)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1084830)..(1084830)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1096846)..(1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1119881)..(1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1130881)..(1130881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1310988)..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1313224)..(1313224)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
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NAME/KEY: misc_feature
LOCATION: (1349491)..(1349491)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1470091)..(1470091)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1569020)..(1569020)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1602912)..(1602912)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1603734)..(1603734)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1637998)..(1637998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1664854)..(1664854)
OTHER INFORMATION: n equals a, t, c, or g
US-08-916-421B-1

Query Match 2.18; Score 17; DB 4; Length 1664976;
Best Local Similarity 100.0%; Pred. No. 51;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 745 ATTTTAAATTTAGTT 761
Db 1490169 ATTTTAAATTTAGTT 1490153

RESULT 38
US-09-705-299-79
Sequence 79, Application US/09705299
Patent No. 6440737
GENERAL INFORMATION:
APPLICANT: Lex M. Cowsett
APPLICANT: Susan M. Freiler
TITLE OF INVENTION: ANTISENSE MODULATION OF CELLULAR APOPTOSIS SUSCEPTIBILITY GENE
FILE REFERENCE: RTS-0174
CURRENT APPLICATION NUMBER: US/09/705,299
CURRENT FILING DATE: 2000-11-01
NUMBER OF SEQ ID NOS: 86
SEQ ID NO: 79
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-705-299-79

Query Match 2.0%; Score 16; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 11e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 441 GATTACAGATTGAAA 456
Db 3 GATTACAGATTGAAA 18

RESULT 39
US-09-046-247-45/C
Sequence 45, Application US/09046247
Patent No. 6124449
GENERAL INFORMATION:
APPLICANT: NIKOS PAGRATIS
APPLICANT: LARRY GOLD
TITLE OF INVENTION: HIGH AFFINITY TGF β NUCLEIC
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Swanson and Bratschun, L.L.C.
STREET: 8400 East Prentice Avenue, Suite #200

CITY: Denver
STATE: Colorado
COUNTRY: USA
ZIP: 80111
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb storage
COMPUTER: IBM compatible
OPERATING SYSTEM: MS DOS
SOFTWARE: Word 7.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/046,247
FILING DATE: 23-MARCH-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/458,424
FILING DATE: 2-JUNE-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/714,131
FILING DATE: 10-JUNE-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/536,428
FILING DATE: 11-JUNE-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/964,624
FILING DATE: 21-OCTOBER-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/117,991
FILING DATE: 8-SEPTEMBER-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/931,473
FILING DATE: 17-AUGUST-1992
ATTORNEY/AGENT INFORMATION:
NAME: Barry Swanson
REGISTRATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER: NEX 34.2/CTP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 793-3333
TELEFAX: (303) 793-3433
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
FEATURE:
OTHER INFORMATION: All pyrimidines are 2'-F modified
US-09-046-247-45

Query Match 2.0%; Score 16; DB 3; Length 51;
Best Local Similarity 100.0%; Pred. No. 11e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 398 TGGCAGAGAAACAGA 413
Db 37 TGGCAGAGAAACAGA 22

RESULT 40
US-08-379-482A-3/C
Sequence 3, Application US/08379482A
Patent No. 5859334
GENERAL INFORMATION:
APPLICANT: Bruggiera, Filippa
APPLICANT: Holton, Timothy A.
TITLE OF INVENTION: GENETIC SEQUENCES ENCODING
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City

STATE: New York
COUNTRY: USA
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/379,482A
FILING DATE: 30-JUL-1993
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Digilio, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 9590
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516)742-4343
TELEFAX: (516)742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 89 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 30..89
US-08-379-482A-3

Query Match 2.0%; Score 16; DB 2; Length 89;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 719 CATCTCCATATATCC 734
|||||
DB 39 CATCTCCATATATCC 24

RESULT 41
US-09-328-352-2419
; Sequence 2419, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2419
; LENGTH: 219
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-2419

Query Match 2.0%; Score 16; DB 4; Length 219;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 ATGTTTGCACATTT 229
|||||
DB 83 ATGTTTGCACATTT 98

RESULT 42
US-08-466-033-27/c
; Sequence 27, Application US/08466033
; Patent No. 5766840
; GENERAL INFORMATION:

APPLICANT: Kim, Jungsub P.
APPLICANT: Wages, John
APPLICANT: Young, Lavonne M.
APPLICANT: Fry, Kirk E.
APPLICANT: Linmen, Jeffrey M.
TITLE OF INVENTION: Hepatitis G Virus and Molecular
NUMBER OF SEQUENCES: 277
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave., Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,033
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/389,886
FILING DATE: 15-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/357,509
FILING DATE: 16-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/329,729
FILING DATE: 26-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/344,271
FILING DATE: 23-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/285,558
FILING DATE: 03-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/285,543
FILING DATE: 03-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/246,985
FILING DATE: 20-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Fabian, Gary R.
REGISTRATION NUMBER: 33,875
REFERENCE/DOCKET NUMBER: 4600-0201.36/G100P11
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0880
TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 430 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Consensus Sequence 3E3
; Patent No. 5766840
US-08-466-033-27

Query Match 2.0%; Score 16; DB 1; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 586 ACCACGGGCGAGAGG 601
|||||
DB 266 ACCACGGGCGAGAGG 251

RESULT 43
; Sequence 27, Application US/08444733
; Patent No. 5824507
; GENERAL INFORMATION:
; APPLICANT: Kim, Jungsuh P.
; APPLICANT: Wages, John
; APPLICANT: Young, Lavonne M.
; APPLICANT: Fry, Kirk E.
; TITLE OF INVENTION: Hepatitis G Virus and Molecular
; NUMBER OF SEQUENCES: 277
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/444,733
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/389,886
; FILING DATE: 15-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/357,509
; FILING DATE: 16-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/329,729
; FILING DATE: 26-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/344,271
; FILING DATE: 23-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/285,558
; FILING DATE: 03-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/285,543
; FILING DATE: 03-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/246,985
; FILING DATE: 20-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fabian, Gary R.
; REGISTRATION NUMBER: 33,875
; REFERENCE/DOCKET NUMBER: 4600-0201.36/G100P11
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 430 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: Consensus Sequence 3E3
; Patent No. 5824507
; US-08-444-733-27

Query Match 2.0%; Score 16; DB 1; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 586 ACCACGGGCGACGAGG 601
|||||
Db 266 ACCACGGGCGACGAGG 251
RESULT 44
; Sequence 27, Application US/08464134
; Patent No. 5849532
; GENERAL INFORMATION:
; APPLICANT: Kim, Jungsuh P.
; APPLICANT: Wages, John
; APPLICANT: Young, Lavonne M.
; APPLICANT: Fry, Kirk E.
; TITLE OF INVENTION: Hepatitis G Virus and Molecular
; NUMBER OF SEQUENCES: 277
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,134
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/389,886
; FILING DATE: 15-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/357,509
; FILING DATE: 16-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/329,729
; FILING DATE: 26-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/344,271
; FILING DATE: 23-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/285,558
; FILING DATE: 03-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/246,985
; FILING DATE: 20-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fabian, Gary R.
; REGISTRATION NUMBER: 33,875
; REFERENCE/DOCKET NUMBER: 4600-0201.36/G100P11
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 430 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cdna

HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Consensus Sequence 3E3
Patent No. 5849532
US-08-464-134-27

Query Match 2.0%; Score 16; DB 2; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 586 ACCACGGGGCAGAGG 601
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DB 266 ACCACGGGGCAGAGG 251

RESULT 45
US-08-461-361-27/c

Sequence 27, Application US/08461361
Patent No. 5856134

GENERAL INFORMATION:

APPLICANT: Kim, Jungsuh P.

APPLICANT: Wages, John

APPLICANT: Young, Layonne M.

APPLICANT: Fry, Kirk E.

APPLICANT: Linen, Jeffrey M.

TITLE OF INVENTION: Hepatitis G Virus and Molecular

NUMBER OF SEQUENCES: 277

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dehlinger & Associates

STREET: 350 Cambridge Ave., Suite 250

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94306

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/461,361

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/389,886

FILING DATE: 15-FEB-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/357,509

FILING DATE: 16-DEC-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/329,729

FILING DATE: 26-OCT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/344,271

FILING DATE: 23-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/285,558

FILING DATE: 03-AUG-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/285,543

FILING DATE: 03-AUG-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/246,985

FILING DATE: 20-MAY-1994

ATTORNEY/AGENT INFORMATION:

NAME: Fabian, Gary R.

REGISTRATION NUMBER: 33,875

REFERENCE/DOCKET NUMBER: 4600-0201.36/G100P11

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 324-0880

TELEFAX: (415) 324-0960

INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 430 base pairs

TYPE: nucleic acid

STRANDEDNESS: both

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: Consensus Sequence 3E3

Patent No. 5856134

US-08-461-361-27

Query Match 2.0%; Score 16; DB 2; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 586 ACCACGGGGCAGAGG 601
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DB 266 ACCACGGGGCAGAGG 251

Search completed: September 29, 2003, 14:55:34
Job time : 57.1349 secs

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OM nucleic - nucleic search, using sw model

Run on: September 29, 2003, 14:39:34 ; Search time 214.636 Seconds
(without alignments)
7366.135 Million cell updates/sec

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Perfect score: 3582
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Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

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Maximum DB seq length: 200000000

Post-processing: Listing first 100 summaries

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6: /cgn2_6/ptodata/1/lna/Backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1364	38.1	3112	US-09-439-313-468	Sequence 468, App
2	1364	38.1	3112	US-09-352-616A-468	Sequence 468, App
3	1357	37.9	2426	US-09-439-313-470	Sequence 470, App
4	1357	37.9	2426	US-09-352-616A-470	Sequence 470, App
5	1123	31.4	2229	US-09-439-313-469	Sequence 469, App
6	1123	31.4	2229	US-09-352-616A-469	Sequence 469, App
7	720	20.1	812	US-09-439-313-471	Sequence 471, App
8	720	20.1	812	US-09-352-616A-471	Sequence 471, App
9	201	5.6	718	US-09-439-313-313	Sequence 313, App
10	201	5.6	718	US-09-352-616A-313	Sequence 313, App
11	201	5.6	718	US-09-232-149A-313	Sequence 313, App
12	179	5.0	301	US-09-439-313-287	Sequence 287, App
13	179	5.0	301	US-09-352-616A-287	Sequence 287, App
14	179	5.0	301	US-09-232-149A-287	Sequence 287, App
15	127	3.5	283	US-09-439-313-235	Sequence 235, App
16	127	3.5	283	US-09-352-616A-235	Sequence 235, App
17	127	3.5	283	US-09-232-149A-235	Sequence 235, App
18	29	0.8	540	US-09-220-132-125	Sequence 125, App
19	29	0.8	1867	US-08-607-509-3	Sequence 3, Appli
20	29	0.8	1867	US-08-634-642-3	Sequence 3, Appli
21	29	0.8	1867	US-08-989-370-3	Sequence 3, Appli
22	29	0.8	2169	US-08-806-326-5	Sequence 5, Appli
23	29	0.8	3925	US-08-793-044-1	Sequence 1, Appli
24	29	0.8	48974	US-08-920-422-17	Sequence 17, Appli
25	28	0.8	12141	US-09-488-671-10	Sequence 10, Appli
26	27	0.8	65	US-08-222-177A-116	Sequence 116, Appli
27	27	0.8	65	US-08-222-177A-421	Sequence 421, Appli

C 28	27	0.8	72	1	US-08-222-177A-131	Sequence 131, App
C 29	27	0.8	72	1	US-08-222-177A-427	Sequence 427, App
C 30	27	0.8	128	4	US-09-354-147C-33	Sequence 33, Appli
C 31	27	0.8	194	1	US-08-222-177A-15	Sequence 15, Appli
C 32	27	0.8	240	1	US-08-222-177A-30	Sequence 30, Appli
C 33	27	0.8	264	1	US-08-222-177A-10	Sequence 10, Appli
C 34	27	0.8	298	1	US-08-599-252-88	Sequence 88, Appli
C 35	27	0.8	298	5	PCT-US96-06352-88	Sequence 88, Appli
C 36	27	0.8	298	5	PCT-US96-06583-88	Sequence 88, Appli
C 37	27	0.8	635	4	US-09-171-209-42	Sequence 42, Appli
C 38	27	0.8	1325	4	US-08-915-795-6	Sequence 6, Appli
C 39	27	0.8	1526	4	US-09-495-050A-293	Sequence 293, App
C 40	27	0.8	1560	2	US-08-907-706-2	Sequence 2, Appli
C 41	27	0.8	1803	4	US-09-909-595-3	Sequence 3, Appli
C 42	27	0.8	1816	4	US-09-645-926A-5	Sequence 5, Appli
C 43	27	0.8	2040	1	US-08-393-985-17	Sequence 17, Appli
C 44	27	0.8	3000	1	US-08-393-985-3	Sequence 3, Appli
C 45	27	0.8	3001	4	US-09-539-333D-167	Sequence 167, App
C 46	27	0.8	3001	4	US-09-539-333D-184	Sequence 184, App
C 47	27	0.8	3172	1	US-07-741-940-3	Sequence 3, Appli
C 48	27	0.8	3172	1	US-08-289-548A-3	Sequence 3, Appli
C 49	27	0.8	3172	1	US-08-452-654-3	Sequence 3, Appli
C 50	27	0.8	3172	1	US-08-452-655B-3	Sequence 3, Appli
C 51	27	0.8	3172	3	US-08-450-582-3	Sequence 3, Appli
C 52	27	0.8	3172	4	US-08-449-731-3	Sequence 3, Appli
C 53	27	0.8	3481	3	US-08-965-729A-1	Sequence 1, Appli
C 54	27	0.8	3757	2	US-09-016-366A-13	Sequence 13, Appli
C 55	27	0.8	3757	2	US-08-978-404B-19	Sequence 19, Appli
C 56	27	0.8	4080	4	US-09-016-434-1342	Sequence 1342, App
C 57	27	0.8	4695	4	US-09-620-312D-379	Sequence 379, App
C 58	27	0.8	10409	2	US-08-772-440-33	Sequence 33, Appli
C 59	27	0.8	22846	2	US-08-469-461-3	Sequence 3, Appli
C 60	27	0.8	22846	3	US-07-890-609-3	Sequence 3, Appli
C 61	27	0.8	30310	4	US-09-657-346A-96	Sequence 96, Appli
C 62	27	0.8	44453	4	US-09-146-053-5	Sequence 5, Appli
C 63	27	0.8	70000	4	US-09-851-896-3	Sequence 3, Appli
C 64	27	0.8	319608	4	US-09-539-333D-1	Sequence 1, Appli
C 65	27	0.8	319608	4	US-09-679-409-1	Sequence 1, Appli
C 66	26	0.7	50	1	US-08-222-177A-379	Sequence 379, App
C 67	26	0.7	56	1	US-08-222-177A-65	Sequence 65, Appli
C 68	26	0.7	60	1	US-08-222-177A-244	Sequence 244, App
C 69	26	0.7	91	1	US-08-222-177A-166	Sequence 166, App
C 70	26	0.7	92	1	US-08-222-177A-430	Sequence 430, App
C 71	26	0.7	141	3	US-08-750-064-3	Sequence 3, Appli
C 72	26	0.7	141	3	US-08-545-196B-16	Sequence 16, Appli
C 73	26	0.7	143	1	US-08-222-177A-18	Sequence 18, Appli
C 74	26	0.7	175	1	US-08-222-177A-4	Sequence 4, Appli
C 75	26	0.7	210	1	US-08-222-177A-23	Sequence 23, Appli
C 76	26	0.7	214	1	US-08-222-177A-37	Sequence 37, Appli
C 77	26	0.7	228	1	US-08-222-177A-43	Sequence 43, Appli
C 78	26	0.7	270	1	US-08-222-177A-51	Sequence 51, Appli
C 79	26	0.7	287	4	US-09-544-618-13	Sequence 13, Appli
C 80	26	0.7	469	1	US-08-318-905-20	Sequence 20, Appli
C 81	26	0.7	469	1	US-08-483-232-20	Sequence 20, Appli
C 82	26	0.7	469	1	US-08-483-140-20	Sequence 20, Appli
C 83	26	0.7	469	2	US-08-483-938A-20	Sequence 20, Appli
C 84	26	0.7	469	2	US-08-910-041-20	Sequence 20, Appli
C 85	26	0.7	469	3	US-09-328-474-20	Sequence 20, Appli
C 86	26	0.7	469	3	US-09-100-546-20	Sequence 20, Appli
C 87	26	0.7	469	3	US-09-010-715-20	Sequence 20, Appli
C 88	26	0.7	469	3	US-09-577-758-20	Sequence 20, Appli
C 89	26	0.7	1024	4	US-09-328-475C-45	Sequence 45, Appli
C 90	26	0.7	1024	4	US-09-328-475C-46	Sequence 46, Appli
C 91	26	0.7	1212	4	US-09-218-467B-5	Sequence 5, Appli
C 92	26	0.7	1379	4	US-09-620-312D-791	Sequence 791, App
C 93	26	0.7	1400	2	US-08-001-078A-2	Sequence 2, Appli
C 94	26	0.7	1400	5	PCT-US94-00253-2	Sequence 2, Appli
C 95	26	0.7	1427	2	US-08-852-807-4	Sequence 4, Appli
C 96	26	0.7	1462	4	US-09-620-312D-788	Sequence 788, App
C 97	26	0.7	1519	4	US-09-620-312D-789	Sequence 789, App
C 98	26	0.7	1553	4	US-09-461-325-74	Sequence 74, Appli
C 99	26	0.7	1560	3	US-08-620-643A-3	Sequence 3, Appli
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QY 1904 CATTTCAGTGTAGTGGCTTTAGAAATTTGGCAATCATCTGTCTATTCACACT 1963
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Db 2991 TTGAGATGTGTTGTCTCTTGTAGTTAATTTGAAAGAAATAGGCACTCTTGTAGCCACTT 3050
QY 2024 TAGGTTCACTCTGGCAATTAAGATTTTACAAGAGC 2061
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Db 3051 TAGGTTCACTCTGGCAATTAAGATTTTACAAGAGC 3088

RESULT 2

US-09-352-616A-468
; Sequence 468; Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yungui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-468

Query Match 38.1%; Score 1364; DB 4; Length 3112;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

QY 285 GGTGGAATAAAGAAAGCTCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 344
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Db 1313 GGTGGAATAAAGAAAGCTCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 1372
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Db 1373 AGATTAATTAACATCTCTGAAAGACAGACATGACAAATTAATGTAGTAGTGCATGT 1432
QY 405 TTTTGACATTTCCAGCCCTTTTAATATCCACACACAGAGAACACAAAAGAAAGAC 464
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Db 1433 TTTTGACATTTCCAGCCCTTTTAATATCCACACACAGAGAACACAAAAGAAAGAC 1492
QY 465 AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCATGATGAGCCTGCCCTGT 524
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Db 1493 AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCATGATGAGCCTGCCCTGT 1552
QY 525 GCGTGTCCCGCTGTGAGGAGAGACATTTGAAATTAATTAATGATGTCTCTTAAAGGA 584
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Db 1553 GCGTGTCCCGCTGTGAGGAGAGACATTTGAAATTAATTAATGATGTCTCTTAAAGGA 1612
QY 585 TGGGAGAGAAACAGATCTGTGTGATATTTATTTAGCGGATTTACAGATTTGAAT 644
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Db 1613 TGGGAGAGAAACAGATCTGTGTGATATTTATTTAGCGGATTTACAGATTTGAAT 1672
QY 645 GAATGACAAAGTGACATTTACCAATGAGAGAGAAACAGAGAGAAATCTTGTATGCTT 704
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Db 1673 GAATGACAAAGTGACATTTACCAATGAGAGAGAAACAGAGAGAAATCTTGTATGCTT 1732
QY 705 CACAGACATGCAAAACAAATGAGATGATGATGACATGAGAGAGAGAGAGAGAGAG 764
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Db 1733 CACAGACATGCAAAACAAATGAGATGATGATGACATGAGAGAGAGAGAGAGAGAG 1792
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Db 2273 TTCCATTAATTAACAGATTAATTAATTTTAACTTTTAACTTGAAGATTAATTAATTA 2332
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Db 2333 CAGCTATGAGATTAATTAATTAATTTTAACTTTTAACTTGAAGATTAATTAATTAATTA 2392
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QY 1425 AGGCTGTATACAG -CACAGCCTTCGCCATCCCTCACAGCTTAATGATCATCACATCA 1483
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Db 2453 AGGCTGTATACAGCAGCCTTCGCCATCCCTCACAGCTTAATGATCATCATCA 2512
QY 1484 CCCCCTCCATACACCTTAACAAATCTAATCTTGAATCTTGAACATGTCAGACATA 1543
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Db 2513 CCCCCTCCAT -CCACCTTAACAAATCTAATCTTGAATCTTGAACATGTCAGG -CATA 2570
QY 1544 CATTTTCTCTTGTGCTGAGAGAGCTTCTCTCTTAAATCTAGAAATGATGTAAGT 1603
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Db 2571 CATTTTCTCTTGTGCTGAGAGAGCTTCTCTCTTAAATCTAGAAATGATGTAAGT 2630
QY 1604 TTTGAATTAAGTGAATCTTCTCATGCAAAAGAGAGACATATAGATTCATCTC 1663
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Db 2631 TTTGAATTAAGTGAATCTTCTCATGCAAAAGAGAGACATATAGATTCATCTC 2690
QY 1664 ACATGAGACAGCAATTAATAAGTGAATTAATTAAGATTAATTAATTAATTAATTAATTA 1723
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QY 1724 AATGCAAGACACAGAGAGAGATTTTATGAGGACGCTTTGTAACCTGGATGTAAGC 1783
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Db 2751 AATGCAAGACACAGAGAGAGATTTTATGAGGACGCTTTGTAACCTGGATGTAAGC 2810
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Db 2811 AAAGCAGAGAACTCATAGTATCTTAATAATTAATTAATTAATTAATTAATTAATTAAT 2870
QY 1844 ATATCAACCAAGCTTTTACAGAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1903
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Db 2871 ATATCCAAACAGCTTTTCACAGAAATTCATGCAATATCCCAAAAGTAACCTTATC 2930
QY 1904 CATTTCATGAGTGGCGCTTTAGAAATTTGGCAAAATCATATGCTGACTTATCTCACT 1963
Db 2931 CATTTCATGAGTGGCGCTTTAGAAATTTGGCAAAATCATATGCTGACTTATCTCACT 2990
QY 1964 TTGAGATGTTGTCTCTTGTAGTAAATTAAGAAATAGGCACTTGTGAGCCACTT 2023
Db 2991 TTGAGATGTTGTCTCTTGTAGTAAATTAAGAAATAGGCACTTGTGAGCCACTT 3050
QY 2024 TAGGTTCACTCCTGGCAATTAAGAAATTTACAAAGACC 2061
Db 3051 TAGGTTCACTCCTGGCAATTAAGAAATTTACAAAGACC 3088

RESULT 3
US-09-439-313-470/C
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jlangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439, 313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ. ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-439-313-470

Query Match 37.9%; Score 1357; DB 4; Length 2426;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

QY 285 GGTGAGAAATTAAGAAAGCTGCTGACCTTTACCATCTGAGGCCACACATCTGCTGAATGC 344
Db 1769 GGTGAGAAATTAAGAAAGCTGCTGACCTTTACCATCTGAGGCCACACATCTGCTGAATGC 1710
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Db 1709 AGATTAATTAACATCAGTAAGAACAGCAAGATGACATATATGCTAAGTAGACATGT 1650
QY 405 TTTTGACATTTTCCAGCCCTTTAAATATCCACACACAGCAAGCAAAAGAAAGCAC 464
Db 1649 TTTTGACATTTTCCAGCCCTTTAAATATCCACACACAGCAAGCAAAAGAAAGCAC 1590
QY 465 AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTATGATGAGCCTGCGCCTGT 524
Db 1589 AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTATGATGAGCCTGCGCCTGT 1530
QY 525 GCGTGGCCCGCTGTGAGGAGAGACATTAAGAAATGAATGTGATGCTGCTTAAGGA 584
Db 1529 GCGTGGCCCGCTGTGAGGAGAGACATTAAGAAATGAATGTGATGCTGCTTAAGGA 1470
QY 585 TGGGCAAGAAACAGATCTGTTGTGATATTTATTTGAACGGGATTAAGATTTGAAT 644
Db 1469 TGGGCAAGAAACAGATCTGTTGTGATATTTATTTGAACGGGATTAAGATTTGAAT 1410
QY 645 GAAATCAAAAGTGAGCATTAACAAATGAGAGAAACAGACGAGAAATCTTGATGCTT 704

Db 1409 GAAATCAAAAGTGAGCATTAACCAATGAGAGAAACAGACGAGAAATCTTGATGCTT 1350
QY 705 CACAAGCATGCAACAAACAAATGAAATCTGATGATGACATGAGGACGACGCTGGG 764
Db 1349 CACAAGCATGCAACAAACAAATGAAATCTGATGATGACATGAGGACGACGCTGGG 1290
QY 765 AGGAGATTAACAGGAGGAGAGGAGTGAATGCTGAGGCTGAGGCTGAGGCTG 824
Db 1289 AGGAGATTAACAGGAGGAGAGGAGTGAATGCTGAGGCTGAGGCTGAGGCTG 1230
QY 825 ATAAACCAATCATTTGATATTTCTAACCTTCAAAACAAAGCTGTTGATATGATCTC 884
Db 1229 ATAAACCAATCATTTGATATTTCTAACCTTCAAAACAAAGCTGTTGATATGATCTC 1170
QY 885 TAGGTTCTTTCGGGCGCAACATTCATATATCCAGGACACATATTTTAATTT 944
Db 1169 TAGGTTCTTTCGGGCGCAACATTCATATATCCAGGACACATATTTTAATTT 1110
QY 945 AGTTCCAGATCTGTACTGTGACCTTTCTACAGTGTGAATTAACATTTGCTTTC 1004
Db 1109 AGTTCCAGATCTGTACTGTGACCTTTCTACAGTGTGAATTAACATTTGCTTTC 1050
QY 1005 AAAGACCTTCGTTGCTGCTGCTTAATATGTAAGTGAATGCTGTTTCTGAGGAGTGTCTG 1064
Db 1049 AAAGACCTTCGTTGCTGCTGCTTAATATGTAAGTGAATGCTGTTTCTGAGGAGTGTCTG 990
QY 1065 GCCCAGGAGTCTGTGACAGGCTGGGAGACATCTCAAGATCTTCACAGGTTATCTTA 1124
Db 989 GCCCAGGAGTCTGTGACAGGCTGGGAGACATCTCAAGATCTTCACAGGTTATCTTA 930
QY 1125 CTAGCACACAGCATGATCATTAAGAGTAATTAATCAATCAATCATCTGAGTCT 1184
Db 929 CTAGCACACAGCATGATCATTAAGAGTAATTAATCAATCAATCATCTGAGTCT 870
QY 1185 TTGCCCCATGTAATTTCAATTTCCATTTTGGCCATCTCAAGACCTCAAAATGTCA 1244
Db 869 TTGCCCCATGTAATTTCAATTTCCATTTTGGCCATCTCAAGACCTCAAAATGTCA 810
QY 1245 TTCCATTAATATCAGAGATTAACCTTTTAACTGGAAGAAATTCATGTAATG 1304
Db 809 TTCCATTAATATCAGAGATTAACCTTTTAACTGGAAGAAATTCATGTAATG 750
QY 1305 CAGCTATGGAATTAATTAATTAATTTGTTTCCAGTGAAGATGACTAAGTCTTTA 1364
Db 749 CAGCTATGGAATTAATTAATTAATTTGTTTCCAGTGAAGATGACTAAGTCTTTA 690
QY 1365 TCCCTCCCTGTTGTTGATTTTTCACATTAAGTAAATGCTTACCTGTAAGT 1424
Db 689 TCCCTCCCTGTTGTTGATTTTTCACATTAAGTAAATGCTTACCTGTAAGT 630
QY 1425 AGGCTGTAATCAG-CACAGCCTTCCCATCTCCAGCCTTATCTGTCACCATCA 1483
Db 629 AGGCTGTAATCAGCAGCAGCAGCCTTCCCATCTCCAGCCTTATCTGTCACCATCA 570
QY 1484 CCCCTCCATACACCTTAACAAATCTAACTGTAATTTCTTGAACATGTACAGACATA 1543
Db 569 CCCCTCCAT-GCACCTTAACAAATCTAATCTGTAATTTCTTGAACATGTACAG-CA 512
QY 1544 CATTATTCCTTTCGCGAGAAAGCTGCTTGTCTTAAATCTAGATGATGAAGT 1603
Db 511 CATTATTCCTTTCGCGAGAAAGCTGCTTGTCTTAAATCTAGATGATGAAGT 452
QY 1604 TTTGAATTAAGTGAATCTTCTTACCTGTAAGAAAGAGGACATATGATGATTCATC 1663
Db 451 TTTGAATTAAGTGAATCTTCTTACCTGTAAGAAAGAGGACATATGATGATTCATC 392
QY 1664 ACATGAGACAGCAAAATCTAAAGTGAATTTGATTAAGAGTTTGAATTAATATGA 1723
Db 391 ACATGAGACAGCAAAATCTAAAGTGAATTTGATTAAGAGTTTGAATTAATATGA 332
QY 1724 AATGCAAGACCAAGAGGAGATTTATGGGACGTTTGAAGCTTGAGATGTGAGC 1783

Db 331 AATCAGAGCCACAGAGGAATGTTATGGGCACTTTGTAAGCCTGGAGTGAAGC 272
Qy 1784 AAGGAGGAGACCTCATAGTATCTATATATACTTCTCTATCTATCTATCA 1843
Db 271 AAGGAGGAGACCTCATAGTATCTTATATATATCTTCTCTATCTATCTATCA 212
Qy 1844 AATACCAACAGCTTTTACAGAAATTCATGAGTGCATCAATCCCAAGTAACCTTTATC 1903
Db 211 AATACCAACAGCTTTTACAGAAATTCATGAGTGCATCAATCCCAAGTAACCTTTATC 152
Qy 1904 CATTCATGAGTGCCTTTAGAAATTTGGCAATCATCTGGTCACTTATCTCAACT 1963
Db 151 CATTCATGAGTGCCTTTAGAAATTTGGCAATCATCTGGTCACTTATCTCAACT 92
Qy 1964 TTGAGATGCTTTGCTTGTAGTAAATTTGAAGAAATGAGCACTCTTGTGAGCACTT 2023
Db 91 TTGAGATGCTTTGCTTGTAGTAAATTTGAAGAAATGAGCACTCTTGTGAGCACTT 32
Qy 2024 TAGGTTCACTCTGCAATTAAGATTTAC 2054
Db 31 TAGGTTCACTCTGCAATTAAGATTTAC 1

RESULT 4

US-09-352-616A-470/c
; Sequence 470. Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yugu
; APPLICANT: Xu, Jianshun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352.616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-470

Query Match 37.9%; Score 1357; DB 4; Length 2426;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

Qy 285 GGTGGAATTAAGAAAGGCTGCTGACTTACCATCTGAGGCACACATCTGCTGAATGG 344
Db 1769 GGTGGAATTAAGAAAGGCTGCTGACTTACCATCTGAGGCACACATCTGCTGAATGG 1710
Qy 345 AGATAATTAACATCACTAGAAACAGCAAGATGACAATAATGTCTAAGTAGTGCATGT 404
Db 1709 AGATAATTAACATCACTAGAAACAGCAAGATGACAATAATGTCTAAGTAGTGCATGT 1650
Qy 405 TTTTGCACATTTCCAGCCCTTTTAATATCCACACACACAGAGACACAAAAGAGACAC 464
Db 1649 TTTTGCACATTTCCAGCCCTTTTAATATCCACACACAGAGACACAAAAGAGACAC 1590
Qy 465 AGAGATCCCTGGGAATATGCGCGGCGGCATCTGGTCACTGATGAGCCGCGCGCT 524
Db 1589 AGAGATCCCTGGGAATATGCGCGGCGGCATCTGGTCACTGATGAGCCGCGCGCT 1530
Qy 525 GCTGTCCTCCCTGTGAGGAGAGACATTAAGAAATGAATGAATGATTTCTTTAAAGA 584
Db 1529 GCTGTCCTCCCTGTGAGGAGAGACATTAAGAAATGAATGAATGATTTCTTTAAAGA 1470
Qy 585 TGGGAGAGAAACAGATCTCTGTGTGATATTTATTTAAGGGATTCAGATTTGAAT 644
Db 1469 TGGGAGAGAAACAGATCTCTGTGTGATATTTATTTAAGGGATTCAGATTTGAAT 1410

Qy 645 GAAGTCACAAAGTGAATACATGAGAGAAACAGACAGAAATCTTGATGGCT 704
Db 1409 GAAGTCACAAAGTGAATACATGAGAGAAACAGACAGAAATCTTGATGGCT 1350
Qy 705 CACAAGACATGCACAAACAAATATGTAATCTGTATGATGACATGAGCAGCCAAAGCTGGGG 764
Db 1349 CACAAGACATGCACAAACAAATATGTAATCTGTATGATGACATGAGCAGCCAAAGCTGGGG 1290
Qy 765 AGGATTAACACAGGGGAGAGGGTCTGAGATTTCTGGCCCTGCTCTAACTGTGCTTC 824
Db 1289 AGGATTAACACAGGGGAGAGGGTCTGAGATTTCTGGCCCTGCTCTAACTGTGCTTC 1230
Qy 825 ATAACCAATCATTTTCAATATTTCTAACCCCTCAAAAGAGCTGTATATCTGATTC 884
Db 1229 ATAACCAATCATTTTCAATATTTCTAACCCCTCAAAAGAGCTGTATATCTGATTC 1170
Qy 885 TACGTTCTCTTGGGCCCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATAT 944
Db 1169 TACGTTCTCTTGGGCCCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATAT 1110
Qy 945 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATTAACATTTACTATTTGTTTC 1004
Db 1109 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATTAACATTTACTATTTGTTTC 1050
Qy 1005 AAGAGCCCTGTGTTGCTGCTATATGTAGCTACTGTTTCTTGAAGAGTGTCTG 1064
Db 1049 AAGAGCCCTGTGTTGCTGCTATATGTAGCTACTGTTTCTTGAAGAGTGTCTG 990
Qy 1065 GCCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCAGAGGTTATACTTA 1124
Db 989 GCCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCAGAGGTTATACTTA 930
Qy 1125 CTAGCACACAGATGATATTAAGAGATTAATCTATCAACATCTCTCACTGCT 1184
Db 929 CTAGCACACAGATGATATTAAGAGATTAATCTATCAACATCTCTCACTGCT 870
Qy 1185 TTGCCATACGAAATTTATTTCCACTTTTGGCCCAATTCACAGACCTCAAAATGCA 1244
Db 869 TTGCCATACGAAATTTATTTCCACTTTTGGCCCAATTCACAGACCTCAAAATGCA 810
Qy 1245 TTCCATTAATATCACAGATTAATCTTTTAACTGGAAGATTCATGTTACATG 1304
Db 809 TTCCATTAATATCACAGATTAATCTTTTAACTGGAAGATTCATGTTACATG 750
Qy 1305 CAGCTATGGAATTAATTAATATTTTGTTCAGTGCAGAAAGTGAATGCTTACTT 1364
Db 749 CAGCTATGGAATTAATTAATATTTTGTTCAGTGCAGAAAGTGAATGCTTACTT 690
Qy 1365 TCCCTCCCTTTGTTGATTTTTCAGATTAAGTTAAATGCTTAAAGCTTAACTG 1424
Db 689 TCCCTCCCTTTGTTGATTTTTCAGATTAAGTTAAATGCTTAAAGCTTAACTG 630
Qy 1425 AGGCTGTATACAG-CACAGCCTTCCCATCCCTCAGCCTTATCTGTATCAGCATGA 1483
Db 629 AGGCTGTATACAGCAGCCTTCCCATCCCTCAGCCTTATCTGTATCAGCATGA 570
Qy 1484 CCCCCTCATACACACTTAACAAATCTTAACTGTAAATTTCTTGAACATGTCCAGACATA 1543
Db 569 CCCCCTCATACACACTTAACAAATCTTAACTGTAAATTTCTTGAACATGTCCAGACATA 512
Qy 1544 CATTAATCTTCTGCTGAGAAAGCTTCTGCTGCTTAAATCTAGATGATGAATG 1603
Db 511 CATTAATCTTCTGCTGAGAAAGCTTCTGCTGCTTAAATCTAGATGATGAATG 452
Qy 1604 TTTGAATAGTTGACTATCTTACTCATGCAAAAGAGGACACATATGATTCATC 1663
Db 451 TTTGAATAGTTGACTATCTTACTCATGCAAAAGAGGACACATATGATTCATC 392
Qy 1664 ACATGAGACAGCAATTAATAAGTGTATTTGATTTATTAAGGTTTAAATATATATGA 1723
Db 391 ACATGAGACAGCAATTAATAAGTGTATTTGATTTATTAAGGTTTAAATATATATGA 332

OY 1604 TTGAAATAGTGTACTATCTTACTTCATGCAAGAGGACATATGATGATCATC 1663
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Db 458 TTTAAATAGTGTACTATCTTACTTCATGCAAGAGGACATATGATGATCATC 399
OY 1664 ACATGAGACAGCAAACTATAAAAGTGAATTTGATTAAGAGTTTGAATATAA 1723
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Db 398 ACATGAGACAGCAAACTATAAAAGTGAATTTGATTAAGAGTTTGAATATAA 340
OY 1724 AATGCAAGAGCCACAGAGGGAATTTTATGGGACAGCTTTTAAAGCTTGAAGC 1783
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Db 339 AATGCAAGAGCCACAGAGGGAATTTTATGGGACAGCTTTTAAAGCTTGAAGC 280
OY 1784 AAGGACAGGAACTCTATGATCTTATATATATATCTTCTATCTATCATCA 1843
|||||
Db 279 AAGGACAGGAACTCTATGATCTTATATATATATCTTCTATCTATCATCA 220
OY 1844 ATATCAACAAGCTTTTACAGAAATTCATGCAAGTGCAAATCCCAAGTAACCTTATC 1903
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Db 219 ATATCAACAAGCTTTTACAGAAATTCATGCAAGTGCAAATCCCAAGTAACCTTATC 160
OY 1904 CATTTCAATGAGTGGGCTTTAGAAATTTGGCAAAATCATCTGCTATCTCAACT 1963
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Db 159 CATTTCAATGAGTGGGCTTTAGAAATTTGGCAAAATCATCTGCTATCTCAACT 100
OY 1964 TTGAGATGTGTTGCTCTTGTAGTTAATGAAAGAAATAGGCACTCTGTGAGCCACT 2023
|||||
Db 99 TTGAGATGTGTTGCTCTTGTAGTTAATGAAAGAAATAGGCACTCTGTGAGCCACT 40
OY 2024 TAGGGTCACTCTGCAATTAAGAAATTTACAAGAGCT 2062
|||||
Db 39 TAGGGTCACTCTGCAATTAAGAAATTTACAAGAGCT 1

RESULT 6

US-09-352-616A-469/C
: Sequence 469, Application US/09352616A
: Patent No. 6395278
: GENERAL INFORMATION:
: APPLICANT: Dillon, Davin C.
: APPLICANT: Hatlock, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Xu, Jlangchun
: APPLICANT: Mitcham, Jennifer Lynn
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: FILE REFERENCE: 210121.427C8
: CURRENT APPLICATION NUMBER: US/09/352.616A
: NUMBER OF SEQ ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-352-616A-469

Query Match 31.48; Score 1123; DB 4; Length 2229;
Best Local Similarity 99.78; Pred. No. 0;
Matches 1773; Conservative 0; Mismatches 1; Indels 5; Gaps 5;

OY 285 GGTGAGAAATAGAAAGGCTGCTGACTTACATCTGAGCCACACATCTGTAATAG 344
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Db 1775 GGTGAGAAATAGAAAGGCTGCTGACTTACATCTGAGCCACACATCTGTAATAG 1716
OY 345 AGATATTAATACATCTAGAAAGACAGCAATGACAAATTAATGCTTAAGTAGACATGT 404
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Db 1715 AGATATTAATACATCTAGAAAGACAGCAATGACAAATTAATGCTTAAGTAGACATGT 1656
OY 405 TTTTGACATTTCCAGGCCCTTTAAATATCCACACACAGAGCCAAAGAGAGAC 464
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Db 1655 TTTTGACATTTCCAGGCCCTTTAAATATCCACACACAGAGCCAAAGAGAGAC 1586
OY 465 AGAGATCCCTGGAGAAATGCCCGCGCATCTTGGGTCAATGATGAGCTCGCCCTGT 524

Db 1595 AGAGATCCCTGGAGAAATGCCCGCGCATCTTGGGTCAATGATGAGCTCGCCCTGT 1536
OY 525 GCTGTGTCGCTTGTGAGGAGAGACATTAAGAAATGATTAATGCTTCTTAAGGA 584
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Db 1535 GCTGTGTCGCTTGTGAGGAGAGACATTAAGAAATGATTAATGCTTCTTAAGGA 1476
OY 585 TGGGACGAAACAGATCCGTGTTGGATTTTGAATTTGAACGGGATTAACATTTGAAT 644
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Db 1475 TGGGACGAAACAGATCCGTGTTGGATTTTGAATTTGAACGGGATTAACATTTGAAT 1416
OY 645 GAATCAACAAGTACAGATTAACCAATGAGAGAAAGACAGAGAAATCTTGATGCTT 704
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Db 1415 GAATCAACAAGTACAGATTAACCAATGAGAGAAAGACAGAGAAATCTTGATGCTT 1356
OY 705 CACAAGACATCAACAACAATGGAATTAATGATGATGACATGAGCCAGCCAGCTGGGG 764
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Db 1355 CACAAGACATCAACAACAATGGAATTAATGATGATGACATGAGCCAGCCAGCTGGGG 1296
OY 765 AGGAGATTAACACGGGGAGAGGGTCAAGATCTTGCCCTGCTTAACCTGAGGCTC 824
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Db 1295 AGGAGATTAACACGGGGAGAGGGTCAAGATCTTGCCCTGCTTAACCTGAGGCTC 1236
OY 825 ATAAACCAATCATTTATTTCTAACCCTCAAAAACAAGCTGTGTAATCTGATCTC 884
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Db 1235 ATAAACCAATCATTTATTTCTAACCCTCAAAAACAAGCTGTGTAATCTGATCTC 1176
OY 885 TAGGGTCTCTTGTGGGCCCAACATTTCTCATATATCCAGCCACATCTTTTAATAT 944
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Db 1175 TAGGGTCTCTTGTGGGCCCAACATTTCTCATATATCCAGCCACATCTTTTAATAT 1116
OY 945 AGTTCCAGATCTGATCTGATCTTCTATACAGTATGATTAATATATCTATTTGCTC 1004
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Db 1115 AGTTCCAGATCTGATCTGATCTTCTATACAGTATGATTAATATATCTATTTGCTC 1056
OY 1005 AAAGACCTTCTGCTTGTGCTTAATATGATGATCTGATCTTCTTAAGAGGTCTCTG 1064
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Db 1055 AAAGACCTTCTGCTTGTGCTTAATATGATGATCTGATCTTCTTAAGAGGTCTCTG 996
OY 1065 GCCCAGGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTCCAGGTTTACTTA 1124
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Db 995 GCCCAGGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTCCAGGTTTACTTA 936
OY 1125 CTAGACACAGCATGATCATTAAGAGAGTAATTAATTAATCATCTCTAGTGTCT 1184
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Db 935 CTAGACACAGCATGATCATTAAGAGAGTAATTAATTAATCATCTCTAGTGTCT 876
OY 1185 TTGCCATTAATGAATTCATTTCCACTTTTGTGCCATTTCTCAAGACCTCAAAATGTCA 1244
|||||
Db 875 TTGCCATTAATGAATTCATTTCCACTTTTGTGCCATTTCTCAAGACCTCAAAATGTCA 816
OY 1245 TTCCATTAATTAATGATTAATTTGTTTCCAGTGAAGATGCTAAGTCTTAATG 1304
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Db 815 TTCCATTAATTAATGATTAATTTGTTTCCAGTGAAGATGCTAAGTCTTAATG 757
OY 1305 CAGCTATGAGGAAATTAATTAATTTGTTTCCAGTGAAGATGCTAAGTCTTAATG 1364
|||||
Db 756 CAGCTATGAGGAAATTAATTAATTTGTTTCCAGTGAAGATGCTAAGTCTTAATG 697
OY 1365 TCCCTCCCTTGTGTTGATTTTTCAGATTAAGTTAAATGCTTAAAGCTTGTACTG 1424
|||||
Db 696 TCCCTCCCTTGTGTTGATTTTTCAGATTAAGTTAAATGCTTAAAGCTTGTACTG 637
OY 1425 AGGCTGTATACAG-CACAGCTCTGCCATCTCTCCAGGCTTAATCTGATCACCATCA 1483
|||||
Db 636 AGGCTGTATACAGCAGCTCTCTCCATCTCTCCAGGCTTAATCTGATCACCATCA 577
OY 1484 CCCCTCCATACAGCTTAACAAATTAATTAATTTGTTTGAAGATGTCAGACATA 1543
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Db 576 CCCCTCCAT-GCAGCTTAACAAATTAATTTGATTTGATTTGATTTGATTTGATTTG 519
OY 1544 CATTAATCTCTGCTGAGAGGCTTTCCTTGTCTTAATCTAGATGATGAATG 1603
|||||

Db 518 CATTATTCCTTCTGCTGAGAACCTCTCTCTCTTAATCTAGATGATTAAGT 459
QY 1604 TTGTAATTAAGTACTATCTTACTTCATGCAAGAGGACACATATGATTCATC 1663
Db 458 TTGTAATTAAGTACTATCTTACTTCATGCAAGAGGACACATATGATTCATC 399
QY 1664 ACATGAGACGCAAACTAAAGTAAATTTATATAGAGTTTATGATTAATATGA 1123
Db 398 ACATGAGACGCAAACTAAAGTAAATTTATATAGAGTTTATGATTAATATGA 340
QY 1724 AATGCAAGAGCCACAGAGGAAATTTATGAGCAGCTTTAAGCTGGAGTGAAGC 1783
Db 339 AATGCAAGAGCCACAGAGGAAATTTATGAGCAGCTTTAAGCTGGAGTGAAGC 280
QY 1784 AAGGCAAGGAGACCTCATATCTTATATATATATATATCTTCTCTATCTATACA 1843
Db 279 AAGGCAAGGAGACCTCATATCTTATATATATATATATCTTCTCTATCTATACA 220
QY 1844 ATATCCAAACAGCTTTTACAGAAATTCATGAGCAATCCCAAGGTAACCTTTATC 1903
Db 219 ATATCCAAACAGCTTTTACAGAAATTCATGAGCAATCCCAAGGTAACCTTTATC 160
QY 1904 CATTTCATGCTGAGTGGCTTTAGAAATTTGGCAATCATGCTACTTATCTCACT 1963
Db 159 CATTTCATGCTGAGTGGCTTTAGAAATTTGGCAATCATGCTACTTATCTCACT 100
QY 1964 TTGAGATGTGTTTGTCTCTGTAGTAAATTTGAAAGAAATAGGCACTTTTGAGCCACT 2023
Db 99 TTGAGATGTGTTTGTCTCTGTAGTAAATTTGAAAGAAATAGGCACTTTTGAGCCACT 40
QY 2024 TAGGTTCACTCTCTGGCAATTAAGAAATTTTCAAGAGCT 2062
Db 39 TAGGTTCACTCTCTGGCAATTAAGAAATTTTCAAGAGCT 1

RESULT 7
US-09-439-313-471/c
; Sequence 471, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-471

Query Match 20.1%; Score 720; DB 4; Length 812;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 720; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 285 GGTGAGAAATPAGAAAGCTGCTGACTTACATCTGAGGCCACACATCTGCTGAATGG 344
Db 720 GGTGAGAAATPAGAAAGCTGCTGACTTACATCTGAGGCCACACATCTGCTGAATGG 661
QY 345 AGATATATTAACATCACTAGAAACAGCAAGATGACATATATATGTCTAAGTAGACATGT 404

Db 660 AGATATATTAACATCACTAGAAACAGCAAGATGACATATATATGTCTAAGTAGACATGT 601
QY 405 TTTTGGCATTTCCTCAGCCCTTTAAATATATCAGACACAGAGGACCAAAAGGAAAGC 464
Db 600 TTTTGGCATTTCCTCAGCCCTTTAAATATATCAGACACAGAGGACCAAAAGGAAAGC 541
QY 465 AGAGATCCCTGGAGAAATGCCGCCCATCTTGGGTATCATGATGAGCTGCCCTGT 524
Db 540 AGAGATCCCTGGAGAAATGCCGCCCATCTTGGGTATCATGATGAGCTGCCCTGT 481
QY 525 GCCTGGTCCCTTGGAGGAAAGCATTTAGAAATTAATGATGATGCTTCTTAAAGGA 584
Db 480 GCCTGGTCCCTTGGAGGAAAGCATTTAGAAATTAATGATGATGCTTCTTAAAGGA 421
QY 585 TGGGAGGAAACAGATCCCTGTTGGATTTATTTAGACGGGATTTACGATTTGAAAT 644
Db 420 TGGGAGGAAACAGATCCCTGTTGGATTTATTTAGACGGGATTTACGATTTGAAAT 361
QY 645 GAAGTCAAAAGTGAGCATTACCAATGAGAGGAAACAGAGGAAATCTTGATGGCTT 704
Db 360 GAAGTCAAAAGTGAGCATTACCAATGAGAGGAAACAGAGGAAATCTTGATGGCTT 301
QY 705 CACAAGCATGCAACAAACAATGGAATCTGTGATGATGATGAGCAGCAGCTGGGG 764
Db 300 CACAAGCATGCAACAAACAATGGAATCTGTGATGATGATGAGCAGCAGCTGGGG 241
QY 765 AGAGATTAACACAGGGGACAGAGTTCAGATTTGAGCCCTGCTTAACTGGCTTC 824
Db 240 AGAGATTAACACAGGGGACAGAGTTCAGATTTGAGCCCTGCTTAACTGGCTTC 181
QY 825 ATAACCAATCATTTCTATTTCTAAACCTCAAAACAAAGCTTTGATATGATGATC 884
Db 180 ATAACCAATCATTTCTATTTCTAAACCTCAAAACAAAGCTTTGATATGATGATC 121
QY 885 TAGGTTCTCTTGGGCCCAACATCTCATATATCAGCCACACATTTTAAATATTT 944
Db 120 TAGGTTCTCTTGGGCCCAACATCTCATATATCAGCCACACATTTTAAATATTT 61
QY 945 AGTTCCAGATCTGTACTGTGACCTTTCACACTGATGATTAACATTACTGATTTGCTC 1004
Db 60 AGTTCCAGATCTGTACTGTGACCTTTCACACTGATGATTAACATTACTGATTTGCTC 1

RESULT 8
US-09-352-616A-471/c
; Sequence 471, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yugu
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-471

Query Match 20.1%; Score 720; DB 4; Length 812;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 720; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 285 GGTGAGAAATPAGAAAGCTGCTGACTTACATCTGAGGCCACACATCTGCTGAATGG 344
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Db 720 GGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGCCACACATCTGCTGAATGG 661
Qy 345 AGATAATTAACATACATAGAAAGCAAGATGACATATATATGCTAGTGTACATGT 404
Db 660 AGATAATTAACATACATAGAAAGCAAGATGACATATATATGCTAGTGTACATGT 601
Qy 405 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGAACACAAAAGAGAC 464
Db 600 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGAACACAAAAGAGAC 541
Qy 465 AGAGATCCCTGGGAGAAATGCCGCCATCTTGGGTCAATGATGAGCCCTGCTGT 524
Db 540 AGAGATCCCTGGGAGAAATGCCGCCATCTTGGGTCAATGATGAGCCCTGCTGT 481
Qy 525 GCTTGTCCCGCTGTGTAGGAGACATTTAGAAAATGATGTGTCTTAAAGGA 584
Db 480 GCTTGTCCCGCTGTGTAGGAGACATTTAGAAAATGATGTGTCTTAAAGGA 421
Qy 585 TGGGACAGAAACAGATCTGTGTGATTTTAAATGACGAGATTTACAGATTTGAAT 644
Db 420 TGGGACAGAAACAGATCTGTGTGATTTTAAATGACGAGATTTACAGATTTGAAT 361
Qy 645 GAATCACAAGATGACATTTACCAATGAGAGAAACAGAGAAATCTTGATGGCTT 704
Db 360 GAATCACAAGATGACATTTACCAATGAGAGAAACAGAGAAATCTTGATGGCTT 301
Qy 705 CACAAGATGACATTTACCAAGAAATGATGTGTGATGACATTTAGGAGCCAGCTGGG 764
Db 300 CACAAGATGACATTTACCAAGAAATGATGTGTGATGACATTTAGGAGCCAGCTGGG 241
Qy 765 AGGAGATTAACACAGGAGAGGATTTGAGGATTTGAGGATTTGAGGATTTGAGGATTT 824
Db 240 AGGAGATTAACACAGGAGAGGATTTGAGGATTTGAGGATTTGAGGATTTGAGGATTT 181
Qy 825 ATAACCAATATTTTCAATTTTCAACCTTCAACCAAGCTTTTCAATTTTCAATTTT 884
Db 180 ATAACCAATATTTTCAATTTTCAACCTTCAACCAAGCTTTTCAATTTTCAATTTT 121
Qy 885 TAGGTTTCTTCTGGGCCAATTTTCAATTTTCAACCTTCAACCAAGCTTTTCAATTTT 944
Db 120 TAGGTTTCTTCTGGGCCAATTTTCAATTTTCAACCTTCAACCAAGCTTTTCAATTTT 61
Qy 945 AGTTCCAGATCTGACTGTGACCTTTCTACACTGTAGAAATACATTTTCTTCTTTC 1004
Db 60 AGTTCCAGATCTGACTGTGACCTTTCTACACTGTAGAAATACATTTTCTTCTTTC 1

RESULT 9
US-09-439-313-313
: Sequence 313, Application US/09439313
: Patent No. 6329505
: GENERAL INFORMATION:
: APPLICANT: Xu, Jianshun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Reed, Steven G.
: APPLICANT: Kalos, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Retter, Mark
: APPLICANT: Solk, John
: APPLICANT: Day, Craig
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
: FILE REFERENCE: 210121.427C9
: CURRENT FILING DATE: 1999-11-12
: NUMBER OF SEQ ID NOS: 575
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 313
: LENGTH: 718
: TYPE: DNA
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: ORGANISM: Homo sapien
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(718)
: OTHER INFORMATION: n = A,T,C or G
US-09-439-313-313

Query Match          5.6%; Score 201; DB 4; Length 718;
Best Local Similarity 99.3%; Pred. No. 1e-84;
Matches 301; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 285 GGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGCCACACATCTGTAATGG 344
Db 73 GGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGCCACACATCTGTAATGG 132
Qy 345 AGATAATTAACATACATAGAAAGCAAGATGACATATATATGCTAGTGTACATGT 404
Db 133 AGATAATTAACATACATAGAAAGCAAGATGACATATATATGCTAGTGTACATGT 192
Qy 405 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGAACACAAAAGAGAC 464
Db 193 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGAACACAAAAGAGAC 252
Qy 465 AGAGATCCCTGGGAGAAATGCCGCCATCTTGGGTCAATGATGAGCCCTGCTGT 524
Db 253 AGAGATCCCTGGGAGAAATGCCGCCATCTTGGGTCAATGATGAGCCCTGCTGT 312
Qy 525 GCTTGTCCCGCTGTGTAGGAGACATTTAGAAAATGATGTGTCTTAAAGGA 584
Db 313 GCTTGTCCCGCTGTGTAGGAGACATTTAGAAAATGATGTGTCTTAAAGGA 372
Qy 585 TGG 587
Db 373 TGG 375

RESULT 10
US-09-352-616A-313
: Sequence 313, Application US/09352616A
: Patent No. 6395278
: GENERAL INFORMATION:
: APPLICANT: Dillon, Davin C.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Xu, Jianshun
: APPLICANT: Mitcham, Jennifer Lynn
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: FILE REFERENCE: 210121.427C8
: CURRENT FILING DATE: 1999-07-13
: NUMBER OF SEQ ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 313
: LENGTH: 718
: TYPE: DNA
: ORGANISM: Homo sapien
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(718)
: OTHER INFORMATION: n = A,T,C or G
US-09-352-616A-313

Query Match          5.6%; Score 201; DB 4; Length 718;
Best Local Similarity 99.3%; Pred. No. 1e-84;
Matches 301; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 285 GGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGCCACACATCTGTAATGG 344
Db 73 GGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGCCACACATCTGTAATGG 132
Qy 345 AGATAATTAACATACATAGAAAGCAAGATGACATATATATGCTAGTGTACATGT 404
Db 133 AGATAATTAACATACATAGAAAGCAAGATGACATATATATGCTAGTGTACATGT 192
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Db 133 AGATTAATTAACATCACTAGTAAGAACGACGAAATGACATATATATGTCTAAGTAGTACATGT 192
QY 405 TTTTGCACATTTTCAGCCCTTTAAATATATCCACACACAGAGGACCAAAAGGAGACAC 464
Db 193 TTTTGCACATTTTCAGCCCTTTAAATATATCCACACACAGAGGACCAAAAGGAGACAC 252
QY 465 AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTATGATGAGCCCTGCTGT 524
Db 253 AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTATGATGAGCCCTGCTGT 312
QY 525 GCCTGGTCCGCTTTGAGGAGGAGACATTAAGAAATGATGTGTCTCTTAAGGA 584
Db 313 GCCTGTATCCCGCTTTGAGGAGGAGACATTAAGAAATGATGTGTCTCTTAAGGA 372
QY 585 TGG 587
Db 373 TGG 375

RESULT 11
US-09-232-149A-313
; Sequence 313, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232.149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(718)
; OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-313

Query Match 5.6%; Score 201; DB 4; Length 718;
Best Local Similarity 99.3%; Pred. No. 1e-84;
Matches 301; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 285 GGTGAGAAATTAAGAAAGGCGTCTACTTACCATCTGAGGCCACACATCTGCTGAATGG 344
Db 73 GGTGAGAAATTAAGAAAGGCGTCTACTTACCATCTGAGGCCACACATCTGCTGAATGG 132
QY 345 AGATTAATTAACATCACTAGTAAGAACGACGAAATATATATGTCTAAGTAGTACATGT 404
Db 133 AGATTAATTAACATCACTAGTAAGAACGACGAAATATATATGTCTAAGTAGTACATGT 192
QY 405 TTTTGCACATTTTCAGCCCTTTAAATATATCCACACACAGAGGACCAAAAGGAGAC 464
Db 193 TTTTGCACATTTTCAGCCCTTTAAATATATCCACACACAGAGGACCAAAAGGAGAC 252
QY 465 AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTATGATGAGCCCTGCTGT 524
Db 253 AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTATGATGAGCCCTGCTGT 312
QY 525 GCCTGGTCCGCTTTGAGGAGGAGACATTAAGAAATGATGTGTCTCTTAAGGA 584
Db 313 GCCTGTATCCCGCTTTGAGGAGGAGACATTAAGAAATGATGTGTCTCTTAAGGA 372
QY 585 TGG 587
Db 373 TGG 375

RESULT 12
US-09-439-313-287/C
; Sequence 287, Application US/09439313
; Patent No. 639505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439.313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 287
; LENGTH: 301
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-287

Query Match 5.0%; Score 179; DB 4; Length 301;
Best Local Similarity 99.6%; Pred. No. 2.3e-74;
Matches 229; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 659 AGCATTAACCAATGAGAGAAACAGACGAGAAATCTGTATGCTTCACAAAGCATGCA 718
Db 301 AGCATTAACCAATGAGAGAAACAGACGAGAAATCTGTATGCTTCACAAAGCATGCA 242
QY 719 CAACAAATATGAAATCTGTATGATGATGAGGAGCCAGCCAGTGGGAGAGATTAACAG 778
Db 241 CAACAAATATGAAATCTGTATGATGATGAGGAGCCAGCCAGTGGGAGAGATTAACAG 182
QY 779 GGGCAGAGGGTCAAGATTTCTGGCCCTGCTGCTTAACCTGTGCTTATTAACCAATCAT 838
Db 181 GGGCAGAGGGTCAAGATTTCTGGCCCTGCTGCTTAACCTGTGCTTATTAACCAATCAT 122
QY 839 TCATATTCTTAACCTCAAAACAAAGCTGTGTAATATCTGATCTCTAGC 888
Db 121 TCATATTCTTAACCTCAAAACAAAGCTGTGTAATATCTGATCTCTAGC 72

RESULT 13
US-09-352-616A-287/C
; Sequence 287, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yugu
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352.616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 287
; LENGTH: 301
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-287


```

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/634,642
FILING DATE: 18-Apr-1996
CLASSIFICATION: 42A
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.404C4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1867 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 117..1325
US-08-634-642-3

Query Match      0.8%; Score 29; Length 1867;
Best Local Similarity 100.0%; Pred. No. 0.00071;
Matches   29; Conservative    0; Mismatches     0; Indels       0; Gaps        0;

QY          2088 TGTGTCGTCTGTCGTGTGCATGAGTGT 2116
Db           1795 TGTTGTGTGTGTGTGTGTGTGAAGTGT 1823
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US-08-989-370-3          LOCATION:      117..1325
Query Match               0.8%; Score 29; DB 3; Length 1867;
Best Local Similarity    100.0%; Pred. No. 0.00071;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy       2088 TGCTGTGTCGTGTCGTGTCGTAGTCT 2116
Db        1795 TGTCTGTGTCGTGTCGTGTCGTAGTCT 1823

RESULT 22
US-08-806-326-5
Sequence 5, Application US/08806326
Patent No. 6022738
GENERAL INFORMATION:
APPLICANT: Alweh, George F.
TITLE OF INVENTION: VECTORS FOR GENE THERAPY OF ERYTHROID
DISEASES
NUMBER OF INVENTION: DISORDERS
CORRESPONDENCE ADDRESSES:
ADDRESS: Brumbaugh, Graves, Donohue & Raymond
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112-0228
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/806,326
FILING DATE: 26-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/398,160
FILING DATE: 03-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Richard S.
REGISTRATION NUMBER: 26,154
REFERENCE/DOCKET NUMBER: A30017-165/30389
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-408-2558
TELEFAX: 212-765-2519
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 2169 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..2169
US-08-806-326-5

Query Match              0.8%; Score 29; DB 3; Length 2169;
Best Local Similarity   100.0%; Pred. No. 0.00071;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy       2083 AGCTCTGTGTGTCGTGTCGTGTGTCGTG 2111
Db        1465 AGCTCTGTGTGTGTGTGTGTGTGTGTG 1493

RESULT 23
US-08-793-044-1/c
Sequence 1, Application US/08793044
Patent No. 6235497
GENERAL INFORMATION:
```

```

      APPLICANT: Bejanin, Stephanie
      APPLICANT: Bernard, Sylvie
      APPLICANT: Cervini, Riccardo
      APPLICANT: Mallet, Jacques
      TITLE OF INVENTION: NOVEL VESICULAR ACETYLCHOLINE CARRIER
      NUMBER OF SEQUENCES: 12
      CORRESPONDENCE ADDRESS:
      ADDRESSEE: Rhone-Poulenc Rorer Inc.
      STREET: 500 Arcoia Road, Mailstop 3C43
      CITY: Collegeville
      STATE: PA
      COUNTRY: USA
      ZIP: 19426
      COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: Patentln Release #1.0, Version #1.30
      CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/793,044
      FILING DATE:
      CLASSIFICATION: 536
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: WO PCT/FR95/01073
      FILING DATE: 10-AUG-1995
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: FR 94/10044
      FILING DATE: 16-AUG-1994
      ATTORNEY/AGENT INFORMATION:
      NAME: Savitzky Esq., Martin F.
      REGISTRATION NUMBER: 29,699
      REFERENCE/DOCKET NUMBER: ST94066-US
      TELECOMMUNICATION INFORMATION:
      TELEPHONE: (610) 454-3816
      TELEFAX: (610) 454-3808
      INFORMATION FOR SEQ ID NO.: 1:
      SEQUENCE CHARACTERISTICS:
      LENGTH: 3925 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: single
      TOPOLOGY: linear
      MOLECULE TYPE: cDNA
      US-08-793-044-1

Query Match          0.8%; Score 29; DB 3; Length 3925;
Best Local Similarity 100.0%; Pred. No. 0.00065;
Matches    29; Conservative    0; Mismatches    0; Indels    0; Gaps    0.

Qy      2088 TGTGTTGTTGTGTGTGTTGTTGTGAGTGT 2116
         |||||||||
Db      3597 TGTGTTGTTGTGTGTGTTGTTGTGACTGT 3569

RESULT 24
US-08-920-422-17
: Sequence 17, Application US/08920422A
: Patent No. 6255473
: GENERAL INFORMATION:
: APPLICANT: Vittek, Michael P.
: APPLICANT: Mitsuda, No. 6255473Jaki
: TITLE OF INVENTION: Presenilin-1 Gene Promoter
: FILE REFERENCE: VITEKPRESENTLIN
: CURRENT APPLICATION NUMBER: US/08/920,422A
: CURRENT FILING DATE: 1997-08-29
: NUMBER OF SEQ ID NOS: 22
: SOFTWARE: Patentln Ver. 2.0
: SEQ ID NO 17
: LENGTH: 48974
: TYPE: DNA
: ORGANISM: Mus musculus
US-08-920-422-17
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Query Match          0.8%; Score 29; DB 3; Length 48974;
Best Local Similarity 100.0%; Pred. No. 0.0062;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2088 TGtGTGTGTGTGTGTGTGTGTGTGTGAGTGT 2116
        |||||
Db       44666 TGTGTGTGTGTGTGTGTGTGTGTGTGAGTGT 44694

RESULT 25
US-09-488-671-10/c ; Sequence 10, Application US/09488671A
Patent No. 6187545
GENERAL INFORMATION:
APPLICANT: Robert McKay
APPLICANT: Madeline M. Butler
APPLICANT: Jacqueline Wyatt
APPLICANT: Lex M. Cowest
TITLE OF INVENTION: ANTISENSE MODULATION OF PEPCK-CYTOSOLIC EXPRESSION
FILE REFERENCE: RIS-0123
CURRENT APPLICATION NUMBER: US/09/488, 671A
CURRENT FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 177
SEQ ID NO 10
LENGTH: 12141
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (5895)...(6118)
FEATURE:
NAME/KEY: CDS
LOCATION: (6440)...(6621)
FEATURE:
NAME/KEY: CDS
LOCATION: (7206)...(7409)
FEATURE:
NAME/KEY: CDS
LOCATION: (7682)...(7869)
FEATURE:
NAME/KEY: CDS
LOCATION: (8444)...(8606)
FEATURE:
NAME/KEY: CDS
LOCATION: (9418)...(9642)
FEATURE:
NAME/KEY: CDS
LOCATION: (9735)...(9866)
FEATURE:
NAME/KEY: CDS
LOCATION: (10502)...(10597)
FEATURE:
NAME/KEY: CDS
LOCATION: (10701)...(11155)
US-09-488-671-10

Query Match          0.8%; Score 28; DB 3; Length 12141;
Best Local Similarity 100.0%; Pred. No. 0.0019;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2088 TGtGTGTGTGTGTGTGTGTGTGTGTGAGTG 2115
        |||||
Db       8999 TGTGTGTGTGTGTGTGTGTGTGTGTGAGTG 8972

RESULT 26
US-08-222-177A-116/c ; Sequence 116, Application US/08222177A
Patent No. 5582979
GENERAL INFORMATION:
APPLICANT: Weber, James L.
TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
                (gc-da)n.(dg-dt)n SEQUENCES AND METHODS OF USING SAME

```


CLONE: mfd27rs
US-08-222-177A-131
Query Match
Best Local Similarity 100.0%; Pred. No. 0.007; Length 72;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2085 CTCTGTGTGTGTGTGTGTGTGTGTGTG 2111
DB 61 CTCTGTGTGTGTGTGTGTGTGTGTGTGTG 35
RESULT 29
US-08-222-177A-427/c
Sequence 427, Application US/08222177A
Patent No. 5582979
GENERAL INFORMATION:
APPLICANT: Weber, James L.
TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
TITLE OF INVENTION: (dc-da)n.(dg-dt)n SEQUENCES AND METHODS OF USING SAME
NUMBER OF SEQUENCES: 460
CORRESPONDENCE ADDRESS:
ADDRESSEE: Demilt Ross & Stevens, S.C.
STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ. ID NO: 427:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-222-177A-427
Query Match
Best Local Similarity 100.0%; Pred. No. 0.007; Length 72;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2085 CTCTGTGTGTGTGTGTGTGTGTGTGTG 2111
DB 61 CTCTGTGTGTGTGTGTGTGTGTGTGTGTG 35
RESULT 30
US-09-354-147C-33/c
Sequence 33, Application US/09354147C
Patent No. 6573067
GENERAL INFORMATION:
APPLICANT: Ddb-Hajj, Sulayman
APPLICANT: Waxman, Stephen G.

TITLE OF INVENTION: Modulation of Sodium Channels in Dorsal Root Ganglia
FILE REFERENCE: 44574-5004-01-US
CURRENT APPLICATION NUMBER: US/09/354,147C
CURRENT FILING DATE: 1999-07-16
PRIOR APPLICATION NUMBER: US 60/072,990
PRIOR FILING DATE: 1998-01-29
PRIOR APPLICATION NUMBER: US 60/109,402
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: PCT/US99/02008
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ. ID NOS: 44
SOFTWARE: PatentIn Ver. 2.1
SEQ. ID NO 33
LENGTH: 128
TYPE: DNA
ORGANISM: Mus musculus
US-09-354-147C-33
Query Match
Best Local Similarity 100.0%; Pred. No. 0.0068; Length 128;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2085 CTCTGTGTGTGTGTGTGTGTGTGTGTG 2111
DB 43 CTCTGTGTGTGTGTGTGTGTGTGTGTGTG 17
RESULT 31
US-08-222-177A-15/c
Sequence 15, Application US/08222177A
Patent No. 5582979
GENERAL INFORMATION:
APPLICANT: Weber, James L.
TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
TITLE OF INVENTION: (dc-da)n.(dg-dt)n SEQUENCES AND METHODS OF USING SAME
NUMBER OF SEQUENCES: 460
CORRESPONDENCE ADDRESS:
ADDRESSEE: Demilt Ross & Stevens, S.C.
STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ. ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 194 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
INDIVIDUAL ISOLATE: Caucasian

TISSUE TYPE: Blood
IMMEDIATE SOURCE:
CLONE: Mfg27
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 5
FEATURE:
NAME/KEY: repeat_region
LOCATION: 78..135
OTHER INFORMATION: /rpt_type="tandem"
OTHER INFORMATION: /rpt_family="(dc-da)n.(dg-dt)n"
OTHER INFORMATION: /citation=(12)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 26..46
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence=EXPERIMENTAL
OTHER INFORMATION: /standard_name="PCR primer"
OTHER INFORMATION: /citation=(11)
FEATURE:
NAME/KEY: misc_feature
LOCATION: complement(151..170)
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence=EXPERIMENTAL
OTHER INFORMATION: /standard_name="PCR primer"
OTHER INFORMATION: /citation=(11)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..194
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence=EXPERIMENTAL
OTHER INFORMATION: /standard_name="Only one strand sequenced"
PUBLICATION INFORMATION:
AUTHORS: Weber, J. E.
AUTHORS: Kwik, A. E.
AUTHORS: May, A. E.
TITLE: Dinucleotide repeat polymorphisms at the
TITLE: D5S107, D5S108, D5S111, D5S117, and D5S118 loci
JOURNAL: Nucleic Acids Res.
VOLUME: 18
PAGES: 4035-
DATE: 1990
PUBLICATION INFORMATION:
AUTHORS: Weber, James L.
AUTHORS: May, Paula E.
TITLE: Abundant Class of Human DNA Polymorphisms
TITLE: Which Can Be Typed Using the Polymerase Chain
TITLE: Reaction
JOURNAL: Am. J. Hum. Genet.
VOLUME: 44
PAGES: 388-396
DATE: 1989
US-08-222-177A-15
Query Match 0.8%; Score 27; DB 1; Length 194;
Best Local Similarity 100.0%; Pred. No. 0.0067;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2085 CTCGTGTGTGTGTGTGTGTGTGTG 2111
|||||
Db 138 CTCGTGTGTGTGTGTGTGTGTGTG 112

RESULT 32
US-08-222-177A-30/C
Sequence 30, Application US/08222177A
Patent No. 5582979
GENERAL INFORMATION:
APPLICANT: Weber, James L.
TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
NUMBER OF INVENTIONS: (dc-da)n.(dg-dt)n SEQUENCES AND METHODS OF USING SAME
CORRESPONDENCE ADDRESS:
ADDRESSEE: Devitt Ross & Stevens, S.C.

STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 240 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
INDIVIDUAL ISOLATE: Caucasian
TISSUE TYPE: Blood
IMMEDIATE SOURCE:
CLONE: Mfg47
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 6
FEATURE:
NAME/KEY: repeat_region
LOCATION: 150..184
OTHER INFORMATION: /rpt_type="tandem"
OTHER INFORMATION: /rpt_family="(dc-da)n.(dg-dt)n"
OTHER INFORMATION: /citation=(12)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 75..94
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence=EXPERIMENTAL
OTHER INFORMATION: /standard_name="PCR primer"
OTHER INFORMATION: /citation=(11)
FEATURE:
NAME/KEY: misc_feature
LOCATION: complement(203..222)
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence=EXPERIMENTAL
OTHER INFORMATION: /standard_name="PCR primer"
OTHER INFORMATION: /citation=(11)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..240
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence=EXPERIMENTAL
OTHER INFORMATION: /standard_name="Only one strand sequenced"
PUBLICATION INFORMATION:
AUTHORS: Weber, J. E.
AUTHORS: Kwik, A. E.
AUTHORS: May, P. E.
TITLE: Dinucleotide repeat polymorphism at the D6S87
TITLE: locus
JOURNAL: Nucleic Acids Res.

Best Local Similarity 100.0%; Pred. No. 0.0066;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2085 CTCGTGTGTGTGTGTGTGTGTG 2111
|||||
Db 229 CTCGTGTGTGTGTGTGTGTGTG 203

RESULT 37
US-09-171-209-42/c
; Sequence 42, Application US/09171209
; Patent No. 6448000

GENERAL INFORMATION:

APPLICANT: VANDERBILT UNIVERSITY
305 Kirkland Hall
Nashville, TN 37240

TITLE OF INVENTION: MAMMALIAN GENES INVOLVED IN VIRAL
INFECTION

NUMBER OF SEQUENCES: 83

CORRESPONDENCE ADDRESS:

ADDRESSEE: Needle & Rosenberg, P.C.
STREET: 127 Peachtree Street, Suite 1200
City: Atlanta

STATE: Georgia
COUNTRY: USA

ZIP: 30303-1811

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/171.209
FILING DATE: 08-Mar-1999

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US97/06067
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Selby, Elizabeth

REGISTRATION NUMBER: 38,298
REFERENCE/DOCKET NUMBER: 22000.0061/P

TELECOMMUNICATION INFORMATION:
TELEPHONE: 404 688 0770
TELEFAX: 404 688 9880

INFORMATION FOR SEQ ID NO: 42:

SEQUENCE CHARACTERISTICS:
LENGTH: 835 base pairs
TYPE: nucleic acid

STRANDEDNESS: double
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 42:

US-09-171-209-42

Query Match 0.8%; Score 27; DB 4; Length 835;
Best Local Similarity 100.0%; Pred. No. 0.0064;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2085 CTCGTGTGTGTGTGTGTGTGTG 2111
|||||
Db 449 CTCGTGTGTGTGTGTGTGTGTG 423

RESULT 38
US-08-915-795-6/c
; Sequence 6, Application US/08915795
; Patent No. 6235713

GENERAL INFORMATION:

APPLICANT: Marc G. ACHEN
APPLICANT: Andrew F. WILKS
APPLICANT: Steven A. STACKER

APPLICANT: Kari ALITALO

TITLE OF INVENTION: GROWTH FACTOR

NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:

ADDRESSEE: Evenson, McKeown, Edwards & Lenahan P.L.L.C.
STREET: 1200 G Street, NW, Suite 700
City: Washington

STATE: DC
COUNTRY: United States of America

ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/915,795
FILING DATE:

CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:

NAME: EVANS, Joseph D.
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/42983

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844

TELEX: N/A

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
LENGTH: 1325 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA
HYPOTHETICAL: NO

ORIGINAL SOURCE:
TISSUE TYPE: Mouse Lung

US-08-915-795-6
Query Match 0.8%; Score 27; DB 3; Length 1325;
Best Local Similarity 100.0%; Pred. No. 0.0062;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2084 GCTCTGTGTGTGTGTGTGTGTGT 2110
|||||
Db 1292 GCTCTGTGTGTGTGTGTGTGTGT 1266

RESULT 39
US-09-495-050A-293/c
; Sequence 293, Application US/09495050A
; Patent No. 6492505

GENERAL INFORMATION:

APPLICANT: Roopa, Reddy
APPLICANT: Guegler, Karl, J.

TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATE

FILE REFERENCE: PA-0013 US
CURRENT APPLICATION NUMBER: US/09/495,050A
CURRENT FILING DATE: 2000-01-31

PRIOR APPLICATION NUMBER: 60/118,318
PRIOR FILING DATE: February 1, 1999

NUMBER OF SEQ ID NOS: 305
SOFTWARE: PERL Program

SEQ ID NO 293
LENGTH: 1526

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:
NAME/KEY: misc feature

OTHER INFORMATION: Incyte ID No. 6492505 2088868CB1
US-09-495-050A-293
Query Match 0.8%; Score 27; DB 4; Length 1526;

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